

*parent  
email  
1/5/01*

# SEARCH REQUEST FORM

## Scientific and Technical Information Center

Requester's Full Name: Patricia Parker Examiner #: \_\_\_\_\_ Date: 1/5/01  
 Art Unit: 2100 Phone Number 301-4160 Serial Number: \_\_\_\_\_  
 Mail Box and Bldg/Rm Location: \_\_\_\_\_ Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

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Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: \_\_\_\_\_

Inventors (please provide full names): \_\_\_\_\_

Earliest Priority Filing Date: \_\_\_\_\_

*\*For Sequence Searches Only\* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.*

*5,761,301*

**BEST AVAILABLE COPY**

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STAFF USE ONLY	Type of Search	Vendors and cost where applicable
Searcher: <u>N. Carpenter</u>	NA Sequence (#)	STN _____
Searcher Phone #: <u>301-41767</u>	AA Sequence (#)	Dialog <u>xxxxx</u> X
Searcher Location: <u>EE (12700</u>	Structure (#)	Questel/Orbit <u>xxxxx</u> X
Date Searcher Picked Up: <u>1/5</u>	Bibliographic	Dr.Link _____
Date Completed: <u>1/5</u>	Litigation	Lexis/Nexis <u>xx</u>
Searcher Prep & Review Time: _____	Fulltext	Sequence Systems _____
Clerical Prep Time: _____	Patent Family	WWW/Internet _____
Online Time: <u>5</u>	Other	Other (specify) _____

LEVEL 1 - 1 OF 1 PATENT

5,761,301

<=2> GET 1st DRAWING SHEET OF 43

Jun. 2, 1998

LEXIS-NEXIS

Library: PATENT

File: ALL

Mark forming apparatus, method of forming laser mark on optical disk, reproducing apparatus, optical disk and method of producing optical disk

REISSUE: Reissue Application filed Jun. 2, 2000 (O.G. Aug. 1, 2000) Ex. Gp.: 3642; Re. S.N. 09/588,364

CORE TERMS: software, optical, marking, secret, disk, reproduction, encryption, master, sub, layer...

5,761,301 OR 5761301

LEXIS-NEXIS  
Library: PATENT  
File: CASES

Your search request has found no CASES.

To edit the above request, use the arrow keys. Be sure to move the cursor to the end of the request before you enter it.

To enter a new search request, type it and press the ENTER key.

What you enter will be Search Level 1.

For further explanation, press the H key (for HELP) and then the ENTER key.

5,761,301 OR 5761301

LEXIS-NEXIS  
Library: PATENT  
File: JNLS

Your search request has found no ITEMS.

To edit the above request, use the arrow keys. Be sure to move the cursor to the end of the request before you enter it.

To enter a new search request, type it and press the ENTER key.

What you enter will be Search Level 1.

For further explanation, press the H key (for HELP) and then the ENTER key.

1/3 LGST (1/1) - (C) LEGSTAT  
PN - US 5761301 [US5761301]  
AP - US 560015/95 19951117 [1995US-0560015]  
DT - US-P  
ACT - 19951117 US/AE-A  
APPLICATION DATA (PATENT)  
{US 560015/95 19951117 [1995US-0560015]}  
- 19960410 US/AS02  
ASSIGNMENT OF ASSIGNOR'S INTEREST  
MATSUSHITA ELECTRIC INDUSTRIAL CO. LTD. 1006, OAZA KADOMA, KADOMA-SHI  
OSAKA, JAP \* OSHIMA, MITSUAKI : 19960220; GOTOH, YOSHIHO : 19960220  
- 19980602 US/A  
PATENT  
- 20000801 US/RF  
REISSUE APPLICATION FILED  
20000602  
UP - 2000-31

2/3 CRXX (1/1) - (C) CLAIMS/RRX  
AN - 2989517  
PN - 5,761,301 A 19980602 [US5761301]  
PA - Matsushita Electric Industrial Co Ltd JP  
PT - E (Electrical)  
ACT - 20000602 REISSUE REQUESTED  
Issue Date of O.G.: 20000801  
Reissue Request Number: 09/588364  
Examination Group responsible for Reissue process: 3642  
UP - 2000-31  
UACT- 2000-08-01

3/3 PAST (1/1) - (C) PAST  
AN - 200031-001336  
PN - 5761301 A [US5761301]  
DT - A (UTILITY)  
OG - 2000-08-01  
CO - REA  
ACT - REISSUE APPLICATION FILED  
SH - REISSUE APPLICATION FILED

1/9/1

DIALOG(R) File 345:Inpadoc/Fam.& Legal Stat  
(c) 2001 EPO. All rts. reserv.

14464905

Basic Patent (No,Kind,Date): EP 506400 A2 19920930 <No. of Patents: 236>

PATENT FAMILY:

AUSTRALIA (AU)

Patent (No,Kind,Date): AU 9335520 A1 19930930  
COMMUNICATION SYSTEM (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): OSHIMA MITSUAKI  
Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92256070 A 19920925  
Applic (No,Kind,Date): AU 9335520 A 19930326  
IPC: \* H04L-027/36; H04L-027/38; H04N-007/20; H04N-005/40;  
H04N-005/455; H04L-027/34; G11B-020/12  
Language of Document: English  
Patent (No,Kind,Date): AU 9459052 A1 19941020  
COMPATIBLE HDTV SATELLITE BROADCASTING SYSTEM (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): OSHIMA MITSUAKI  
Priority (No,Kind,Date): JP 9366461 A 19930325; JP 93132984 A 19930510; JP 93261612 A 19930924; JP 93349972 A 19931227  
Applic (No,Kind,Date): AU 9459052 A 19940325  
IPC: \* H04N-007/20; H04N-007/12; H04N-005/40; H04N-005/455;  
H04B-007/204; H04B-007/216; H04B-007/17; H04L-001/00; H03M-013/00  
Derwent WPI Acc No: ; G 94-342258  
Language of Document: English  
Patent (No,Kind,Date): AU 655539 B2 19941222  
COMMUNICATION SYSTEM (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): OSHIMA MITSUAKI  
Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92256070 A 19920925  
Applic (No,Kind,Date): AU 9335520 A 19930326  
IPC: \* H04L-027/36; H04L-027/38; H04N-007/20; H04N-005/40;  
H04N-005/455; H04L-027/34; G11B-020/12  
Derwent WPI Acc No: \* G 93-305235; G 94-103292  
JAPIO Reference No: \* 180486E000144  
Language of Document: English  
Patent (No,Kind,Date): AU 660123 B2 19950608  
COMMUNICATION SYSTEM (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): OSHIMA MITSUAKI  
Priority (No,Kind,Date): JP 9366461 A 19930325; JP 93132984 A 19930510; JP 93261612 A 19930924  
Applic (No,Kind,Date): AU 9459052 A 19940325  
IPC: \* H04N-007/20; H04N-007/12; H04N-005/40; H04N-005/455;  
H04B-007/204; H04B-007/216; H04B-007/17; H04L-001/00; H03M-013/00  
Derwent WPI Acc No: \* G 94-103292; G 94-311606; G 94-342258  
Language of Document: English

CANADA (CA)

Patent (No,Kind,Date): CA 2092495 AA 19930927  
COMMUNICATION SYSTEM (English; French)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92256070 A 19920925  
Applic (No,Kind,Date): CA 2092495 A 19930325  
IPC: \* H04B-007/24; H04N-005/76; H04N-009/80  
Language of Document: English  
Patent (No,Kind,Date): CA 2106919 AA 19940326  
COMMUNICATION SYSTEM (English; French)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): JP 92256070 A 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510  
Applc (No,Kind,Date): CA 2106919 A 19930924  
IPC: \* H04J-004/00  
Derwent WPI Acc No: \* G 93-305235  
Language of Document: English  
Patent (No,Kind,Date): CA 2113842 AA 19940722  
RECORDING AND REPRODUCING APPARATUS (English; French)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); SHIMIZU RYOSUKE (JP); KOUDO TOSHIKAZU (JP); YOSHIURA TSUKASA (JP); MATSUURA TAKUMI (JP); TANAKA MITIRO (JP); TAN SATOSHI (JP)  
Priority (No,Kind,Date): JP 938596 A 19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A 19931119  
Applc (No,Kind,Date): CA 2113842 A 19940119  
IPC: \* G11B-007/24; G11B-007/125; G11B-005/10  
Derwent WPI Acc No: \* G 93-313529  
Language of Document: English  
Patent (No,Kind,Date): CA 2113877 AA 19940722  
INFORMATION RECORDING MEDIUM AND METHOD OF FABRICATING THE SAME (English; French)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); KOMODA HIDEAKI (JP); USHIGOME HISASHI (JP)  
Priority (No,Kind,Date): JP 938596 A 19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A 19931119  
Applc (No,Kind,Date): CA 2113877 A 19940120  
IPC: \* G11B-007/24; G11B-007/26  
Derwent WPI Acc No: \* G 93-313529  
Language of Document: English  
Patent (No,Kind,Date): CA 2119983 AA 19940926  
COMMUNICATION SYSTEM (English; French)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): JP 9366461 A 19930325; JP 93132984 A 19930510; JP 93261612 A 19930924; JP 93349972 A 19931227  
Applc (No,Kind,Date): CA 2119983 A 19940325  
IPC: \* H04N-007/12  
Derwent WPI Acc No: \* G 94-103292  
Language of Document: English  
Patent (No,Kind,Date): CA 2226398 AA 19940722  
INFORMATION RECORDING MEDIUM AND METHOD OF FABRICATING THE SAME (English; French)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): USHIGOME HISASHI (JP); KOMODA HIDEAKI (JP); OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): CA 2113877 A3 19940120; JP 938596 A 19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A 19931119  
Applc (No,Kind,Date): CA 2226398 A 19940120  
IPC: \* G11B-007/00; G11B-007/28  
Derwent WPI Acc No: \* C 94-236841; G 93-313529; G 94-242360; G 95-116722; G 95-341616; G 96-062972; G 98-181451  
Language of Document: English

## CHINA (CN)

Patent (No,Kind,Date): CN 1066946 A 19921209  
DIGITAL COMMUNICATION SYSTEM (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): MITSUAKI OSHIMA (JP)  
Priority (No,Kind,Date): JP 9162798 A 19910327; JP 91182236 A 19910723  
Applc (No,Kind,Date): CN 92102955 A 19920327  
IPC: \* H04B-001/00; H04N-007/13  
Derwent WPI Acc No: \* G 92-325674

Language of Document: Chinese  
Patent (No,Kind,Date): CN 1075024 A 19930804  
RECORDING/REPRODUCING EQUIPMENT (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): JP 9213809 A 19920129; JP 92280874 A 19920925  
Applie (No,Kind,Date): CN 93100918 A 19930128  
IPC: \* G11B-011/00  
Derwent WPI Acc No: \* G 93-251292; G 93-313529  
Language of Document: Chinese  
Patent (No,Kind,Date): CN 1076816 A 19930929  
SYSTEM OF COMMUNICATION (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): TAISHIMA MITSUTERU (JP)  
Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92246070 A 19920925  
Applie (No,Kind,Date): CN 93102721 A 19930325  
IPC: \* H04B-007/00; H04N-007/12; H04N-011/00  
Derwent WPI Acc No: \* G 93-305235  
Language of Document: Chinese  
Patent (No,Kind,Date): CN 1085680 A 19940420  
RECORD REPLAYING APPARATUS (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); TANAKA MICHIRO (JP); SHIMIZU RYOSUKE (JP)  
Priority (No,Kind,Date): JP 938596 A 19930121; JP 9268031 A 19920326; JP 92111176 A 19920430; JP 92194450 A 19920722; JP 92280874 A 19920925; JP 92282666 A 19921021; JP 92331300 A 19921211  
Applie (No,Kind,Date): CN 93105219 A 19930326  
IPC: \* G11B-013/04  
Derwent WPI Acc No: \* C 94-236841; G 93-251292; G 93-313529; G 94-242360; G 95-341616; G 96-062972; G 98-181451  
JAPIO Reference No: \* 180121P000165; 180264P000063; 180522P000136; 180618P000070  
Language of Document: Chinese  
Patent (No,Kind,Date): CN 1096389 A 19941214  
RECORDING AND REPRODUCING APPTS. (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); SHIMIZU RYOSUKE (JP); KOUDO TOSHIKAZU (JP)  
Priority (No,Kind,Date): JP 938596 A 19930121; JP 93314114 A 19931119  
Applie (No,Kind,Date): CN 94101055 A 19940121  
IPC: \* G11B-011/12  
Derwent WPI Acc No: \* C 94-236841; G 93-313529; G 94-242360; G 94-250560  
Language of Document: Chinese  
Patent (No,Kind,Date): CN 1098810 A 19950215  
APPARATUS FOR REGENERATION OF RECORDING AND RECORDING MEDIUM AND MANUFACTURE OF SAME (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); KOMODA HIDEAKI (JP); USHIGOME HISASHI (JP)  
Priority (No,Kind,Date): JP 938596 A 19930121; JP 93314114 A 19931119  
Applie (No,Kind,Date): CN 94101336 A 19940121  
IPC: \* G11B-007/24; G11B-011/12  
Derwent WPI Acc No: \* C 94-236841; G 93-313529; G 94-242360; G 94-250560; G 95-116722  
Language of Document: Chinese  
Patent (No,Kind,Date): CN 1099544 A 19950301  
COMMUNICATION SYSTEM (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): JP 9366461 A 19930325; JP 93261612 A 19930924

Applc (No,Kind,Date): CN 94103352 A 19940325  
IPC: \* H04N-007/08; H04L-027/32  
Derwent WPI Acc No: \* G 94-103292; G 94-311606; G 94-342258  
Language of Document: Chinese

Patent (No,Kind,Date): CN 1119895 A 19960403  
OPTICAL RECORDING MEDIUM, REPRODUCTION APPARATUS OF OPTICAL DISK,  
REPRODUCTION METHOD OF OPTICAL DISK, PRODUCTION METHOD OF ORIGINAL  
DISK OF OPTICAL DISK, AND ILLEGAL PROGRAM OPERATION STOP METHOD  
(English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): UENO FUMIYAKI (JP); OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): JP 93335165 A 19931228; JP 94299508 A  
19941202

Applc (No,Kind,Date): CN 94191566 A 19941228  
Derwent WPI Acc No: \* G 95-246541  
Language of Document: Chinese

Patent (No,Kind,Date): CN 1127049 A 19960717  
METHOD AND APPARATUS FOR PREVENTING ILLEGAL COPYING AND ILLEGAL  
INSTALLATION OF INFORMATION ON OPTICAL RECORDING MEDIUM (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP)  
Priority (No,Kind,Date): JP 94104879 A 19940418; JP 94283415 A  
19941117

Applc (No,Kind,Date): CN 95190313 A 19950418  
IPC: \* G11B-007/00; G11B-020/10; G11B-023/30; G11B-013/04; G11B-019/06  
; G11B-007/09

Derwent WPI Acc No: \* G 95-116722; G 95-246541; G 95-373939; G  
96-268785

Language of Document: Chinese

Patent (No,Kind,Date): CN 1138915 A 19961225  
MARKING GENERATING APPTS., METHOD OF FORMING LASER MARKING ON OPTICAL  
DISK, REPRODUCING APPTS., OPTICAL DISK AND OPTICAL DISK PRODUCING  
METHOD (English)

Patent Assignee: MATSUSHITA ELECTRIC INDUTRIAL (JP)  
Author (Inventor): MITSUAKI OSHIMA (JP); YOSHIHO GOTOH (JP)  
Priority (No,Kind,Date): JP 94283415 A 19941117; JP 9516153 A  
19950202

Applc (No,Kind,Date): CN 95191218 A 19951116  
IPC: \* G11B-007/00; G11B-020/10; G11B-007/26; G11B-020/12

Derwent WPI Acc No: \* G 95-373939; G 96-268785

Language of Document: Chinese

Patent (No,Kind,Date): CN 1166223 A 19971126  
OPTICAL DISK, OPTICAL RECORDER, OPTICAL PRODUCING DEVICE, ENCRYPTED  
COMMUNICATION SYSTEM, AND AUTHORIZING SYSTEM FOR USE OF PROGRAM  
(English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): MITSUAKI OSHIMA (JP); YOSHIO GOTOH (JP); SHINICHI  
TANAKA (JP)

Priority (No,Kind,Date): JP 96211304 A 19960809; JP 95261247 A  
19951009; JP 968910 A 19960123

Applc (No,Kind,Date): CN 96191182 A 19961008  
IPC: \* G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06

Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119

Language of Document: Chinese

Patent (No,Kind,Date): CN 1173942 A 19980218  
OPTICAL DISK, OPTICAL RECODER, OPTICAL REPRODUCING DEVICE, ENCRYPTED  
COMMUNICATION SYSTEM, AND AUTHORIZING SYSTEM FOR USE OF PROGRAM  
(English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): MITSUAKI OSHIMA (JP); YOSHIHO GOTOH (JP);  
SHINICHI TANAKA (JP)

Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A  
19960123

Applc (No,Kind,Date): CN 96191826 A 19960515  
IPC: \* G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38

Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119

Language of Document: Chinese

Patent (No,Kind,Date): CN 1250278 A 20000412

TELECOMMUNICATION SYSTEM (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): MITSUTERU DAIJIMA (JP)  
Priority (No,Kind,Date): JP 9366461 A 19930325; JP 93132984 A  
19930510; JP 93261612 A 19930924  
Applc (No,Kind,Date): CN 99108470 A 19990616  
IPC: \* H04J-001/00; H04L-027/00; H04N-011/24  
Derwent WPI Acc No: \* G 94-103292; G 94-311606; G 94-342258  
Language of Document: Chinese  
Patent (No,Kind,Date): CN 1032099 B 19960619  
SYSTEM OF COMMUNICATION (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): TAISHIMA MITSUTERU (JP)  
Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92256070 A  
19920925  
Applc (No,Kind,Date): CN 93102721 A 19930325  
IPC: \* H04B-007/00; H04N-007/12; H04N-011/00  
Derwent WPI Acc No: \* G 93-305235; G 94-103292  
JAPIO Reference No: \* 180486E000144  
Language of Document: Chinese  
Patent (No,Kind,Date): CN 1036952 B 19980107  
RECORD REPLAYING APPARATUS (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): MITSUAKI OSHIMA (JP); MICHIRO TANAKA (JP);  
RYOSUKE SHIMIZU (JP)  
Priority (No,Kind,Date): JP 938596 A 19930121; JP 9268031 A  
19920326; JP 92111176 A 19920430; JP 92194450 A 19920722; JP  
92280874 A 19920925; JP 92282666 A 19921021; JP 92331300 A  
19921211  
Applc (No,Kind,Date): CN 93105219 A 19930326  
IPC: \* G11B-013/04  
Derwent WPI Acc No: \* C 94-236841; G 93-251292; G 93-313529; G  
94-242360; G 95-341616; G 96-062972; G 98-181451  
JAPIO Reference No: \* 180121P000165; 180264P000063; 180522P000136;  
180618P000070  
Language of Document: Chinese  
Patent (No,Kind,Date): CN 1045036 B 19990908  
TRANSMISSION APPARATUS (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): MITSUAKI OSHIMA (JP)  
Priority (No,Kind,Date): JP 9162798 A 19910327; JP 91182236 A  
19910723; JP 91155650 A 19910529; JP 9195813 A 19910425  
Applc (No,Kind,Date): CN 92102955 A 19920327  
IPC: \* H04B-001/00; H04N-007/13  
Derwent WPI Acc No: \* G 92-325674; G 97-195354  
JAPIO Reference No: \* 180152E000002  
Language of Document: Chinese

#### GERMANY (DE)

Patent (No,Kind,Date): DE 69223541 CO 19980129  
SIGNALUEBERTRAGUNGSSYSTEM (German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): JP 9162798 A 19910327; JP 9195813 A  
19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP  
9260739 A 19920317  
Applc (No,Kind,Date): DE 69223541 A 19920326  
IPC: \* H04N-007/24; H04N-007/04; H04N-007/12; H04N-007/08; H04L-027/34  
Derwent WPI Acc No: \* G 92-325674; G 97-195354  
JAPIO Reference No: \* 180152E000002  
Language of Document: German  
Patent (No,Kind,Date): DE 69610859 CO 20001207  
OPTISCHE SCHEIBE UND OPTISCHES WIEDERGABEGERAET (German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA  
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)  
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A  
19960123

Applic (No,Kind,Date): DE 69610859 A 19960515  
 IPC: \* G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38  
     ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00  
 Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
 Language of Document: German  
 Patent (No,Kind,Date): DE 69610860 CO 20001207  
 OPTISCHE SCHEIBE DIE INFORMATION IN DER FORM EINES STRICHKODES TRAEGT  
     (German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA  
     SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)  
 Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A  
     19960123  
 Applic (No,Kind,Date): DE 69610860 A 19960515  
 IPC: \* G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38  
     ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00  
 Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
 Language of Document: German  
 Patent (No,Kind,Date): DE 69610861 CO 20001207  
 OPTISCHE SCHEIBE UND OPTISCHES WIEDERGABEGERAET (German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA  
     SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)  
 Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A  
     19960123  
 Applic (No,Kind,Date): DE 69610861 A 19960515  
 IPC: \* G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38  
     ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00  
 Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
 Language of Document: German  
 Patent (No,Kind,Date): DE 69223541 T2 19980409  
 SIGNALUEBERTRAGUNGSSYSTEM (German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): OSHIMA MITSUAKI (JP)  
 Priority (No,Kind,Date): JP 9162798 A 19910327; JP 9195813 A  
     19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP  
     9260739 A 19920317  
 Applic (No,Kind,Date): DE 69223541 A 19920326  
 IPC: \* H04N-007/24; H04N-007/04; H04N-007/12; H04N-007/08; H04L-027/34  
 Derwent WPI Acc No: \* G 92-325674; G 97-195354  
 JAPIO Reference No: \* 180152E000002  
 Language of Document: German

#### GERMANY (DE)

Legal Status (No,Type,Date,Code,Text):  
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DE 69610861	P 20001207 DE REF	EP 1005034 P 20001207	CORRESPONDS TO (ENTSPRICHT)
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#### EUROPEAN PATENT OFFICE (EP)

Patent (No,Kind,Date): EP 562875 A1 19930929

MULTIRESOLUTION QAM SYSTEM (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92256070 A 19920925  
Applie (No,Kind,Date): EP 93302369 A 19930326  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-027/34; H04N-007/13  
Derwent WPI Acc No: ; G 93-305235  
Language of Document: English

Patent (No,Kind,Date): EP 617531 A1 19940928  
MULTIRESOLUTION TRANSMISSION SYSTEM. (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): JP 9366461 A 19930325; JP 93132984 A 19930510; JP 93261612 A 19930924  
Applie (No,Kind,Date): EP 94302149 A 19940324  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-027/02; H04L-027/34; H04L-005/06; H04L-027/18; H04N-007/13  
Derwent WPI Acc No: \* G 94-103292; G 94-311606; G 94-342258; G 94-311606  
Language of Document: English

Patent (No,Kind,Date): EP 689200 A1 19951227  
OPTICAL RECORDING MEDIUM, REPRODUCTION APPARATUS OF OPTICAL DISK, REPRODUCTION METHOD OF OPTICAL DISK, PRODUCTION METHOD OF ORIGINAL DISK OF OPTICAL DISK, AND ILLEGAL PROGRAM OPERATION STOP METHOD (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRONICS CORP (JP)  
Author (Inventor): UENO FUMIAKI (JP); OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): WO 94JP2304 W 19941228; JP 93335165 A 19931228; JP 9422191 A 19940120; JP 94104879 A 19940418; JP 94156089 A 19940707; JP 94299508 A 19941202  
Applie (No,Kind,Date): EP 95904033 A 19941228  
Designated States: (National) DE; FR; GB; IT  
IPC: \* G11B-007/007; G11B-020/12; G11B-013/04; G11B-007/00; G11B-007/26; G11B-019/06; G11B-020/14; G11B-020/10  
Derwent WPI Acc No: \* G 95-116722; G 95-246541; G 95-373939  
Language of Document: English

Patent (No,Kind,Date): EP 706174 A1 19960410  
METHOD AND APPARATUS FOR PREVENTING ILLEGAL COPYING AND ILLEGAL INSTALLATION OF INFORMATION ON OPTICAL RECORDING MEDIUM (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP)  
Priority (No,Kind,Date): WO 95JP760 W 19950418; JP 94104879 A 19940418; JP 94283415 A 19941117; JP 94327963 A 19941228; JP 9515318 A 19950201; JP 9516865 A 19950203  
Applie (No,Kind,Date): EP 95915345 A 19950418  
Designated States: (National) DE; FR; GB; NL  
IPC: \* G11B-007/00; G11B-020/10; G11B-023/30; G11B-013/04; G11B-019/06; G11B-007/09  
Derwent WPI Acc No: \* G 95-116722; G 95-246541; G 95-373939; G 96-268785  
Language of Document: English

Patent (No,Kind,Date): EP 741382 A1 19961106  
MARKING GENERATING APPARATUS, METHOD OF FORMING LASER MARKING ON OPTICAL DISK, REPRODUCING APPARATUS, OPTICAL DISK AND OPTICAL DISK PRODUCING METHOD (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP)  
Priority (No,Kind,Date): WO 95JP2339 W 19951116; JP 94283415 A 19941117; JP 9516153 A 19950202; JP 95261247 A 19951009  
Applie (No,Kind,Date): EP 95938017 A 19951116  
Designated States: (National) DE; FR; GB  
IPC: \* G11B-007/00; G11B-020/10; G11B-007/26; G11B-020/12  
Derwent WPI Acc No: \* G 95-373939; G 96-268785; G 97-236117; G

97-236119

Language of Document: English  
Patent (No,Kind,Date): EP 802527 A1 19971022  
OPTICAL DISK, OPTICAL RECORDER, OPTICAL REPRODUCING DEVICE, ENCRYPTED  
COMMUNICATION SYSTEM, AND AUTHORIZING SYSTEM FOR USE OF PROGRAM  
(English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA  
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA  
YOSHINARI (JP)  
Priority (No,Kind,Date): WO 96JP2924 W 19961008; JP 95261247 A  
19951009; JP 968910 A 19960123; JP 96211304 A 19960809  
Applic (No,Kind,Date): EP 96932845 A 19961008  
Designated States: (National) DE; FR; GB  
IPC: \* G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: English  
Patent (No,Kind,Date): EP 807929 A1 19971119  
OPTICAL DISK, BAR CODE FORMATION METHOD FOR OPTICAL DISK, OPTICAL DISK  
REPRODUCTION APPARATUS, AND MARKING METHOD, LASER MARKING METHOD FOR  
OPTICAL DISK, AND METHOD OF OPTICAL DISK PRODUCTION (English; French;  
German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA  
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP)  
Priority (No,Kind,Date): WO 96JP1303 W 19960515; JP 95261247 A  
19951009; JP 968910 A 19960123  
Applic (No,Kind,Date): EP 96915172 A 19960515  
Designated States: (National) DE; FR; GB  
IPC: \* G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: English  
Patent (No,Kind,Date): EP 971345 A1 20000112  
OPTICAL DISK, METHOD FOR RECORDING AND REPRODUCING WRITE-ONCE  
INFORMATION ON AND FROM OPTICAL DISK, OPTICAL DISK REPRODUCING  
DEVICE, OPTICAL DISK RECORDING AND REPRODUCING DEVICE, DEVICE FOR  
RECORDING WRITE-ONCE INFORMATION ON OPTICAL DISK, AND OPTICAL DISK  
RECORDING DEVICE (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA M (JP); KONISHI SHINICHI (JP); TANAKA  
SHIN-ICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); GOTOH  
YOSHIHO (JP); TAKEMURA YOSHINARI (JP); MIYATAKE NORIO (JP);  
MURAKAMI MOTOYOSHI (JP)  
Priority (No,Kind,Date): WO 97JP4664 W 19971217; JP 96339304 A  
19961219; JP 979318 A 19970122; JP 97259110 A 19970924  
Applic (No,Kind,Date): EP 97949124 A 19971217  
Designated States: (National) DE; FR; GB; IT; NL  
IPC: \* G11B-011/10; G11B-007/00; G06F-012/14  
Derwent WPI Acc No: \* G 98-363034  
Language of Document: English  
Patent (No,Kind,Date): EP 973335 A1 20000119  
SIGNAL TRANSMISSION SYSTEM (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 96119060 A3 19920326; EP 92302627 A3  
19920326; JP 9162798 A 19910327; JP 9195813 A 19910425; JP  
91155650 A 19910529; JP 91182236 A 19910723  
Applic (No,Kind,Date): EP 99119278 A 19920326  
Designated States: (National) DE; FR; GB; NL  
IPC: \* H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34  
Derwent WPI Acc No: \* G 92-325674; G 97-195354; G 2000-108239; G  
2000-118426; G 2000-184726; G 2000-184727; G 2000-184728; G  
2000-184729; G 2000-184730; G 2000-184731; G 2000-108239  
JAPIO Reference No: \* 180152E000002  
Language of Document: English  
Patent (No,Kind,Date): EP 975168 A1 20000126  
SIGNAL TRANSMISSION SYSTEM (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 96119060 A3 19920326; EP 92302627 A3  
19920326; JP 9162798 A 19910327; JP 9195813 A 19910425; JP  
91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A  
19920317  
Applic (No,Kind,Date): EP 99119266 A 19920326  
Designated States: (National) DE; FR; GB; NL  
IPC: \* H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34  
Derwent WPI Acc No: \* G 92-325674; G 97-195354; G 2000-108239; G  
2000-118426; G 2000-184726; G 2000-184727; G 2000-184728; G  
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JAPIO Reference No: \* 180152E000002  
Language of Document: English  
Patent (No,Kind,Date): EP 975169 A1 20000126  
SIGNAL TRANSMISSION SYSTEM (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 96119060 A3 19920326; EP 92302627 A3  
19920326; JP 9162798 A 19910327; JP 9195813 A 19910425; JP  
91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A  
19920317  
Applic (No,Kind,Date): EP 99121006 A 19920326  
Designated States: (National) DE; FR; GB; NL  
IPC: \* H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34  
Derwent WPI Acc No: \* G 92-325674; G 97-195354; G 2000-108239; G  
2000-118426; G 2000-184726; G 2000-184727; G 2000-184728; G  
2000-184729; G 2000-184730; G 2000-184731; G 2000-184727  
JAPIO Reference No: \* 180152E000002  
Language of Document: English  
Patent (No,Kind,Date): EP 975170 A1 20000126  
SIGNAL TRANSMISSION SYSTEM (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 96119060 A3 19920326; EP 92302627 A3  
19920326; JP 9162798 A 19910327; JP 9195813 A 19910425; JP  
91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A  
19920317  
Applic (No,Kind,Date): EP 99121007 A 19920326  
Designated States: (National) DE; FR; GB; NL  
IPC: \* H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34  
Derwent WPI Acc No: \* G 92-325674; G 97-195354; G 2000-108239; G  
2000-118426; G 2000-184726; G 2000-184727; G 2000-184728; G  
2000-184729; G 2000-184730; G 2000-184731; G 2000-184728  
JAPIO Reference No: \* 180152E000002  
Language of Document: English  
Patent (No,Kind,Date): EP 975171 A1 20000126  
SIGNAL TRANSMISSION SYSTEM (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 96119060 A3 19920326; EP 92302627 A3  
19920326; JP 9162798 A 19910327; JP 9195813 A 19910425; JP  
91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A  
19920317  
Applic (No,Kind,Date): EP 99121008 A 19920326  
Designated States: (National) DE; FR; GB; NL  
IPC: \* H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34  
Derwent WPI Acc No: \* G 92-325674; G 97-195354; G 2000-108239; G  
2000-118426; G 2000-184726; G 2000-184727; G 2000-184728; G  
2000-184729; G 2000-184730; G 2000-184731; G 2000-118426  
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Language of Document: English  
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SIGNAL TRANSMISSION SYSTEM (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 96119060 A3 19920326; EP 92302627 A3  
19920326; JP 9162798 A 19910327; JP 9195813 A 19910425; JP  
91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A

19920317

Applic (No,Kind,Date): EP 99121024 A 19920326  
Designated States: (National) DE; FR; GB; NL  
IPC: \* H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34  
Derwent WPI Acc No: \* G 92-325674; G 97-195354; G 2000-108239; G  
2000-118426; G 2000-184726; G 2000-184727; G 2000-184728; G  
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Patent (No,Kind,Date): EP 975173 A1 20000126  
SIGNAL TRANSMISSION SYSTEM (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 96119060 A3 19920326; EP 92302627 A3  
19920326; JP 9162798 A 19910327; JP 9195813 A 19910425; JP  
91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A  
19920317

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Designated States: (National) DE; FR; GB; NL  
IPC: \* H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34  
Derwent WPI Acc No: \* G 92-325674; G 97-195354; G 2000-108239; G  
2000-118426; G 2000-184726; G 2000-184727; G 2000-184728; G  
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Language of Document: English

Patent (No,Kind,Date): EP 975174 A1 20000126  
SIGNAL TRANSMISSION SYSTEM (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 96119060 A3 19920326; EP 92302627 A3  
19920326; JP 9162798 A 19910327; JP 9195813 A 19910425; JP  
91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A  
19920317

Applic (No,Kind,Date): EP 99121026 A 19920326

Designated States: (National) DE; FR; GB; NL  
IPC: \* H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34  
Derwent WPI Acc No: \* G 92-325674; G 97-195354; G 2000-108239; G  
2000-118426; G 2000-184726; G 2000-184727; G 2000-184728; G  
2000-184729; G 2000-184730; G 2000-184731; G 2000-184731

JAPIO Reference No: \* 180152E000002

Language of Document: English

Patent (No,Kind,Date): EP 1003162 A1 20000524  
AN OPTICAL DISK AND AN OPTICAL DISK REPRODUCTION APPARATUS (English;  
French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA  
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP)

Priority (No,Kind,Date): EP 96915172 A3 19960515; JP 95261247 A  
19951009; JP 968910 A 19960123

Applic (No,Kind,Date): EP 2000103257 A 19960515

Designated States: (National) DE; FR; GB  
IPC: \* G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38  
; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00

Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119

Language of Document: English

Patent (No,Kind,Date): EP 1005023 A1 20000531  
OPTICAL REPRODUCING DEVICE FOR THE REPRODUCTION OF ENCRYPTED  
INFORMATION (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA  
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA  
YOSHINARI (JP)

Priority (No,Kind,Date): EP 96932845 A3 19961008; JP 95261247 A  
19951009; JP 968910 A 19960123; JP 96211304 A 19960809

Applic (No,Kind,Date): EP 2000102965 A 19961008

Designated States: (National) DE; FR; GB

IPC: \* G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00  
; G06F-001/00; G11B-019/12

Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: English  
Patent (No,Kind,Date): EP 1005024 A1 20000531  
OPTICAL REPRODUCING DEVICE FOR THE REPRODUCTION OF ENCRYPTED INFORMATION (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA YOSHINARI (JP)  
Priority (No,Kind,Date): EP 96932845 A3 19961008; JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809  
Applc (No,Kind,Date): EP 2000102966 A 19961008  
Designated States: (National) DE; FR; GB  
IPC: \* G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00 ; G06F-001/00; G11B-019/12  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: English  
Patent (No,Kind,Date): EP 1005025 A1 20000531  
OPTICAL DISK FOR USE WITH AN ENCRYPTION OR PROGRAM LICENSE SYSTEM (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA YOSHINARI (JP)  
Priority (No,Kind,Date): EP 96932845 A3 19961008; JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809  
Applc (No,Kind,Date): EP 2000102967 A 19961008  
Designated States: (National) DE; FR; GB  
IPC: \* G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00 ; G06F-001/00; G11B-019/12  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: English  
Patent (No,Kind,Date): EP 1005026 A1 20000531  
OPTICAL RECORDER, OPTICAL REPRODUCER, CRYPTOCOMMUNICATION SYSTEM AND PROGRAM LICENSE SYSTEM (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA YOSHINARI (JP)  
Priority (No,Kind,Date): EP 96932845 A3 19961008; JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809  
Applc (No,Kind,Date): EP 2000102968 A 19961008  
Designated States: (National) DE; FR; GB  
IPC: \* G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00 ; G06F-001/00; G11B-019/12  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: English  
Patent (No,Kind,Date): EP 1005027 A1 20000531  
OPTICAL RECORDER, OPTICAL REPRODUCER, CRYPTOCOMMUNICATION SYSTEM AND PROGRAM LICENSE SYSTEM (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA YOSHINARI (JP)  
Priority (No,Kind,Date): EP 96932845 A3 19961008; JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809  
Applc (No,Kind,Date): EP 2000102969 A 19961008  
Designated States: (National) DE; FR; GB  
IPC: \* G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00 ; G06F-001/00; G11B-019/12  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: English  
Patent (No,Kind,Date): EP 1005028 A1 20000531  
OPTICAL DISK, OPTICAL RECORDER, OPTICAL REPRODUCER, CRYPTOCOMMUNICATION SYSTEM AND PROGRAM LICENSE SYSTEM (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA

YOSHINARI (JP)  
Priority (No,Kind,Date): EP 96932845 A3 19961008; JP 95261247 A  
19951009; JP 968910 A 19960123; JP 96211304 A 19960809  
Applc (No,Kind,Date): EP 2000102971 A 19961008  
Designated States: (National) DE; FR; GB  
IPC: \* G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00  
; G06F-001/00; G11B-019/12  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: English  
Patent (No,Kind,Date): EP 1005033 A1 20000531  
AN OPTICAL DISK AND AN OPTICAL DISK REPRODUCTION APPARATUS (English;  
French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA  
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)  
Priority (No,Kind,Date): EP 96915172 A3 19960515; JP 95261247 A  
19951009; JP 968910 A 19960123  
Applc (No,Kind,Date): EP 2000101774 A 19960515  
Designated States: (National) DE; FR; GB  
IPC: \* G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38  
; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: English  
Patent (No,Kind,Date): EP 1005034 A1 20000531  
AN OPTICAL DISK CARRYING BARCODED INFORMATION (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA  
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)  
Priority (No,Kind,Date): EP 96915172 A3 19960515; JP 95261247 A  
19951009; JP 968910 A 19960123  
Applc (No,Kind,Date): EP 2000101775 A 19960515  
Designated States: (National) DE; FR; GB  
IPC: \* G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38  
; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: English  
Patent (No,Kind,Date): EP 1005035 A1 20000531  
AN OPTICAL DISK AND AN OPTICAL DISK REPRODUCTION APPARATUS (English;  
French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA  
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)  
Priority (No,Kind,Date): EP 96915172 A3 19960515; JP 95261247 A  
19951009; JP 968910 A 19960123  
Applc (No,Kind,Date): EP 2000104818 A 19960515  
Designated States: (National) AT; BE; CH; DE; DK; ES; FI; FR; GB; GR;  
IE; IT; LI; LU; MC; NL; PT; SE  
IPC: \* G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38  
; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: English  
Patent (No,Kind,Date): EP 1006516 A1 20000607  
AN OPTICAL DISK AND AN OPTICAL DISK REPRODUCTION APPARATUS (English;  
French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA  
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)  
Priority (No,Kind,Date): EP 96915172 A3 19960515; JP 95261247 A  
19951009; JP 968910 A 19960123  
Applc (No,Kind,Date): EP 2000105014 A 19960515  
Designated States: (National) AT; BE; CH; DE; DK; ES; FI; FR; GB; GR;  
IE; IT; LI; LU; MC; NL; PT; SE  
IPC: \* G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38  
; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: English  
Patent (No,Kind,Date): EP 1006517 A1 20000607  
AN OPTICAL DISK AND AN OPTICAL DISK REPRODUCTION APPARATUS (English;

French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)  
Priority (No,Kind,Date): EP 96915172 A3 19960515; JP 95261247 A 19951009; JP 968910 A 19960123  
Applc (No,Kind,Date): EP 2000106447 A 19960515  
Designated States: (National) AT; BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE  
IPC: \* G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38 ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: English

Patent (No,Kind,Date): EP 1024478 A1 20000802  
OPTICAL DISK FOR USE WITH AN ENCRYPTION OR PROGRAM LICENSE SYSTEM (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA YOSHINARI (JP)  
Priority (No,Kind,Date): EP 96932845 A3 19961008; JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809  
Applc (No,Kind,Date): EP 2000102970 A 19961008  
Designated States: (National) DE; FR; GB  
IPC: \* G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00 ; G06F-001/00; G11B-019/12  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: English

Patent (No,Kind,Date): EP 1028422 A1 20000816  
AN OPTICAL DISK, AN OPTICAL DISK REPRODUCTION APPARATUS (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): GOTOH YOSHIHO (JP); KOISHI KENJI (JP); OSHIMA MITSUAKI (JP); MORIYA MITSURO (JP); TANAKA SHINICHI (JP)  
Priority (No,Kind,Date): EP 96915172 A3 19960515; JP 95261247 A 19951009; JP 968910 A 19960123  
Applc (No,Kind,Date): EP 2000109898 A 19960515  
Designated States: (National) DE; FR; GB  
IPC: \* G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38 ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: English

Patent (No,Kind,Date): EP 1028423 A1 20000816  
AN OPTICAL DISK, AN OPTICAL BARCODE FORMING METHOD, AN OPTICAL DISK REPRODUCTION APPARATUS, A MARKING FORMING APPARATUS, A METHOD OF FORMING A LASER MARKING ON AN OPTICAL DISK, AND A METHOD OF MANUFACTURING AN OPTICAL DISK (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): GOTOH YOSHIHO (JP); KOISHI KENJI (JP); OSHIMA MITSUAKI (JP); MORIYA MITSURO (JP); TANAKA SHINICHI (JP)  
Priority (No,Kind,Date): EP 96915172 A3 19960515; JP 95261247 A 19951009; JP 968910 A 19960123  
Applc (No,Kind,Date): EP 2000109899 A 19960515  
Designated States: (National) DE; FR; GB  
IPC: \* G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38 ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: English

Patent (No,Kind,Date): EP 1030297 A1 20000823  
AN OPTICAL DISK AND AN OPTICAL DISK RECORDING METHOD (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)  
Priority (No,Kind,Date): EP 96915172 A3 19960515; JP 95261247 A 19951009; JP 968910 A 19960123  
Applc (No,Kind,Date): EP 2000110461 A 19960515  
Designated States: (National) AT; BE; CH; DE; DK; ES; FI; FR; GB; GR;

IE; IT; LI; LU; MC; NL; PT; SE  
IPC: \* G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38  
; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: English

Patent (No,Kind,Date): EP 1031974 A1 20000830  
AN OPTICAL DISK REPRODUCTION APPARATUS (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)  
Priority (No,Kind,Date): EP 96915172 A3 19960515; JP 95261247 A 19951009; JP 968910 A 19960123  
Applie (No,Kind,Date): EP 2000112310 A 19960515  
Designated States: (National) DE; FR; GB  
IPC: \* G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38  
; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: English

Patent (No,Kind,Date): EP 1049334 A1 20001102  
SIGNAL TRANSMISSION SYSTEM (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 96119060 A3 19920326; EP 92302627 A3 19920326; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317  
Applie (No,Kind,Date): EP 2000114691 A 19920326  
Designated States: (National) DE; FR; GB; NL  
IPC: \* H04N-007/24; H04L-027/34; H04N-007/04  
Derwent WPI Acc No: \* G 92-325674; G 97-195354; G 2000-108239; G 2000-118426; G 2000-184726; G 2000-184727; G 2000-184728; G 2000-184729; G 2000-184730; G 2000-184731  
JAPIO Reference No: \* 180152E000002  
Language of Document: English

Patent (No,Kind,Date): EP 506400 A2 19920930  
SIGNAL TRANSMISSION SYSTEM (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI - KATSURA (JP)  
Priority (No,Kind,Date): JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317  
Applie (No,Kind,Date): EP 92302627 A 19920326  
Designated States: (National) DE; FR; GB; NL  
IPC: \* H04N-007/13; H04N-007/04  
Derwent WPI Acc No: ; G 92-325674  
Language of Document: English

Patent (No,Kind,Date): EP 555031 A2 19930811  
RECORDING AND REPRODUCING APPARATUS (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): JP 9213809 A 19920129; JP 9242558 A 19920228; JP 9250328 A 19920309; JP 9268031 A 19920326; JP 92111176 A 19920430; JP 92194450 A 19920722; JP 92280874 A 19920925  
Applie (No,Kind,Date): EP 93300695 A 19930129  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE  
IPC: \* G11B-013/00; G11B-011/10; G11B-013/04  
Derwent WPI Acc No: ; G 93-251292  
Language of Document: English

Patent (No,Kind,Date): EP 564187 A2 19931006  
RECORDING AND REPRODUCING APPARATUS (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); TANAKA MICHIRO (JP); SHIMIZU RYOSUKE (JP); KODO TOSHIKAZU (JP)  
Priority (No,Kind,Date): JP 9268031 A 19920326; JP 92111176 A 19920430; JP 92194450 A 19920722; JP 92280874 A 19920925; JP 92282666 A 19921021; JP 92331300 A 19921211; JP 938596 A

19930121  
Applic (No,Kind,Date): EP 93302365 A 19930326  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE  
IPC: \* G11B-013/00; G11B-011/10; G11B-023/03; G11B-013/04  
Derwent WPI Acc No: ; G 93-313529  
Language of Document: English  
Patent (No,Kind,Date): EP 589709 A2 19940330  
MULTIRESOLUTION TRANSMISSION SYSTEM (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): JP 92256070 A 19920925; JP 9366461 A  
19930325; JP 93132984 A 19930510  
Applic (No,Kind,Date): EP 93307575 A 19930924  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-027/34; H04N-007/13; H04L-005/06; H04L-027/18  
Derwent WPI Acc No: \* G 93-305235  
Language of Document: English  
Patent (No,Kind,Date): EP 608126 A2 19940727  
INFORMATION RECORDING MEDIUM AND METHOD OF FABRICATING SAME. (English;  
French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); KOMODA HIDEAKI (JP);  
USHIGOME HISASHI (JP)  
Priority (No,Kind,Date): JP 938596 A 19930121; JP 9392219 A  
19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP  
93297504 A 19931102; JP 93314114 A 19931119  
Applic (No,Kind,Date): EP 94300403 A 19940119  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE  
IPC: \* G11B-013/04; G11B-023/44  
Derwent WPI Acc No: \* C 94-236841; G 93-313529; G 94-242360; G  
95-116722; G 95-341616; G 96-062972; G 98-181451; C 94-236841  
Language of Document: English  
Patent (No,Kind,Date): EP 609013 A2 19940803  
RECORDING AND REPRODUCING APPARATUS. (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); SHIMIZU RYOSUKE (JP); KOUDO  
TOSHIKAZU (JP); YOSHIURA TSUKASA (JP); MATSUURA TAKUMI (JP);  
TANAKA MITIRO (JP); TAN SATOSHI (JP)  
Priority (No,Kind,Date): JP 938596 A 19930121; JP 9392219 A  
19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP  
93297504 A 19931102; JP 93314114 A 19931119  
Applic (No,Kind,Date): EP 94300402 A 19940119  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE  
IPC: \* G11B-013/04; G11B-020/10; G11B-019/28; G11B-020/18; G11B-021/02  
; G11B-023/00; G11B-023/36  
Derwent WPI Acc No: \* C 94-236841; G 93-313529; G 94-242360; G  
95-116722; G 95-341616; G 96-062972; G 98-181451; G 94-242360  
Language of Document: English  
Patent (No,Kind,Date): EP 609617 A2 19940810  
RECORDING AND REPRODUCING APPARATUS. (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); TAN SATOSHI (JP); KUWAMOTO  
MAKOTO (JP)  
Priority (No,Kind,Date): JP 938596 A 19930121; JP 93205682 A  
19930727; JP 92321063 A 19921201  
Applic (No,Kind,Date): EP 93309619 A 19931201  
Designated States: (National) BE; DE; FR; GB; NL  
IPC: \* G06F-001/18  
Derwent WPI Acc No: \* C 94-236841; G 93-313529; G 94-242360; G  
95-116722; G 95-341616; G 96-062972; G 98-181451  
Language of Document: English  
Patent (No,Kind,Date): EP 637016 A2 19950201  
RECORDING AND REPRODUCING APPARATUS. (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): JP 93205682 A 19930727; JP 94104879 A  
19940418; JP 94156089 A 19940707; JP 93297504 A 19931102; JP  
93314114 A 19931119  
Applc (No,Kind,Date): EP 94305557 A 19940727  
Designated States: (National) BE; CH; DE; FR; GB; IT; LI; NL  
IPC: \* G11B-007/00; G11B-013/04; G11B-011/10; G11B-019/02; G11B-020/00  
; G11B-023/28  
Derwent WPI Acc No: \* C 94-236841; G 94-242360; G 95-116722; G  
95-246541; G 95-341616; G 95-373939; G 96-062972; G 98-181451; G  
95-116722  
Language of Document: English  
Patent (No,Kind,Date): EP 766478 A2 19970402  
SIGNAL TRANSMISSION SYSTEM (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 92302627 A3 19920326; JP 9162798 A  
19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP  
91182236 A 19910723; JP 9260739 A 19920317  
Applc (No,Kind,Date): EP 96119060 A 19920326  
Designated States: (National) DE; FR; GB; NL  
IPC: \* H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34  
Derwent WPI Acc No: \* G 92-325674; G 97-195354; G 97-195354  
JAPIO Reference No: \* 180152E000002  
Language of Document: English  
Patent (No,Kind,Date): EP 833319 A2 19980401  
DISC-SHAPED RECORDING MEDIUM (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); SHIMIZU RYOSUKE (JP); KOUDO  
TOSHIKAZU (JP); YOSHIURA TSUKASA (JP); MATSUURA TAKUMI (JP);  
TANAKA MITIRO (JP); TAN SATOSHI (JP)  
Priority (No,Kind,Date): EP 94300402 A3 19940119; JP 938596 A  
19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP  
93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A  
19931119  
Applc (No,Kind,Date): EP 97118775 A 19940119  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE  
IPC: \* G11B-013/04  
Derwent WPI Acc No: \* C 94-236841; G 93-313529; G 94-242360; G  
95-116722; G 95-341616; G 96-062972; G 98-181451; G 98-181451  
Language of Document: English  
Patent (No,Kind,Date): EP 844611 A2 19980527  
OPTICAL DISK (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); KOMODA HIDEAKI (JP);  
USHIGOME HISASHI (JP)  
Priority (No,Kind,Date): EP 94300403 A3 19940119; JP 938596 A  
19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP  
93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A  
19931119  
Applc (No,Kind,Date): EP 98100524 A 19940119  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE  
IPC: \* G11B-020/00; G11B-013/04; G11B-007/007; G11B-007/24  
Derwent WPI Acc No: \* C 94-236841; G 93-313529; G 94-242360; G  
95-116722; G 95-341616; G 96-062972; G 98-181451  
Language of Document: English  
Patent (No,Kind,Date): EP 844612 A2 19980527  
APPARATUS FOR REPRODUCING INFORMATION FROM AN OPTICAL DISC (English;  
French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); KOMODA HIDEAKI (JP);  
USHIGOME HISASHI (JP)  
Priority (No,Kind,Date): EP 94300403 A3 19940119; JP 938596 A  
19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP  
93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A  
19931119

Applic (No,Kind,Date): EP 98100525 A 19940119  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE  
IPC: \* G11B-020/00; G11B-013/04; G11B-007/24; G11B-007/007  
Derwent WPI Acc No: \* C 94-236841; G 93-313529; G 94-242360; G  
95-116722; G 95-341616; G 96-062972; G 98-181451  
Language of Document: English  
Patent (No,Kind,Date): EP 1035693 A2 20000913  
MULTIRESOLUTION TRANSMISSION, IN PARTICULAR FOR MULTICARRIER SYSTEMS  
(English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A  
19920925; JP 9366461 A 19930325; JP 93132984 A 19930510  
Applic (No,Kind,Date): EP 2000114572 A 19930924  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34; H04L-027/38  
; H04N-007/24  
Derwent WPI Acc No: ; G 2000-595507  
Language of Document: English  
Patent (No,Kind,Date): EP 1035694 A2 20000913  
MULTIRESOLUTION TRANSMISSION SYSTEM (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A  
19920925; JP 9366461 A 19930325; JP 93132984 A 19930510  
Applic (No,Kind,Date): EP 2000114573 A 19930924  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34; H04N-005/44  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 94-311606; G  
94-342258  
JAPIO Reference No: \* 180486E000144  
Language of Document: English  
Patent (No,Kind,Date): EP 1035695 A2 20000913  
MULTIRESOLUTION TRANSMISSION, PARTICULARLY FOR MULTICARRIER SYSTEMS  
(English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A  
19920925; JP 9366461 A 19930325; JP 93132984 A 19930510  
Applic (No,Kind,Date): EP 2000114575 A 19930924  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34; H04N-007/24  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 94-311606; G  
94-342258  
JAPIO Reference No: \* 180486E000144  
Language of Document: English  
Patent (No,Kind,Date): EP 1035696 A2 20000913  
MULTIRESOLUTION TRANSMISSION SYSTEM (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A  
19920925; JP 9366461 A 19930325; JP 93132984 A 19930510  
Applic (No,Kind,Date): EP 2000114577 A 19930924  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-027/02; H04L-027/34; H04L-027/26; H04L-027/18; H04N-007/24  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 94-311606; G  
94-342258; G 2000-580985; G 2000-580986; G 2000-580987; G  
2000-580988; G 2000-589072; G 2000-589073; G 2000-589074; G  
2000-589075; G 2000-589076; G 2000-589077; G 2000-589078; G  
2000-595507  
JAPIO Reference No: \* 180486E000144  
Language of Document: English  
Patent (No,Kind,Date): EP 1035697 A2 20000913

MULTIRESOLUTION TRANSMISSION, IN PARTICULAR FOR MULTICARRIER SYSTEMS  
(English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A  
19920925; JP 9366461 A 19930325; JP 93132984 A 19930510

Applc (No,Kind,Date): EP 2000114578 A 19930924

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE

IPC: \* H04L-027/02; H04L-027/34; H04L-027/18; H04L-027/26; H04N-007/24

Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 94-311606; G  
94-342258; G 2000-580985; G 2000-580986; G 2000-580987; G  
2000-580988; G 2000-589072; G 2000-589073; G 2000-589074; G  
2000-589075; G 2000-589076; G 2000-589077; G 2000-589078; G  
2000-595507

JAPIO Reference No: \* 180486E000144

Language of Document: English

Patent (No,Kind,Date): EP 1035698 A2 20000913

MUTLIRESOLUTION TRANSMISSION SYSTEM (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A  
19920925; JP 9366461 A 19930325; JP 93132984 A 19930510

Applc (No,Kind,Date): EP 2000114579 A 19930924

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE

IPC: \* H04L-027/02; H04L-027/18; H04L-027/34; H04L-027/26; H04N-007/24

Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 94-311606; G  
94-342258; G 2000-580985; G 2000-580986; G 2000-580987; G  
2000-580988; G 2000-589072; G 2000-589073; G 2000-589074; G  
2000-589075; G 2000-589076; G 2000-589077; G 2000-589078; G  
2000-595507

JAPIO Reference No: \* 180486E000144

Language of Document: English

Patent (No,Kind,Date): EP 1039672 A2 20000927

MULTIRESOLUTION TRANSMISSION, PARTICULARLY FOR MULTICARRIER SYSTEMS  
(English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A  
19920925; JP 9366461 A 19930325; JP 93132984 A 19930510

Applc (No,Kind,Date): EP 2000114576 A 19930924

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE

IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
; H04N-007/24

Derwent WPI Acc No: ; G 2000-589072

Language of Document: English

Patent (No,Kind,Date): EP 1039673 A2 20000927

MULTIRESOLUTION TRANSMISSION AND ERROR CORRECTION CODING WITH  
MULTICARRIER SIGNALS (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A  
19920326; JP 92256070 A 19920925

Applc (No,Kind,Date): EP 2000114689 A 19930326

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE

IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
; H04N-007/24

Derwent WPI Acc No: ; G 2000-589073

Language of Document: English

Patent (No,Kind,Date): EP 1039674 A2 20000927

MULTIRESOLTION TRANSMISSION AND ERROR CORRECTION CODING WITH  
MULTICARRIER SIGNALS (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A

19920326; JP 92256070 A 19920925  
Applc (No,Kind,Date): EP 2000114690 A 19930326  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
; H04N-007/24  
Derwent WPI Acc No: ; G 2000-589074  
Language of Document: English  
Patent (No,Kind,Date): EP 1039675 A2 20000927  
MULTIRESOLUTION TRANSMISSION WITH MULTICARRIER SIGNALS (English; French  
; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A  
19920326; JP 92256070 A 19920925  
Applc (No,Kind,Date): EP 2000114692 A 19930326  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
; H04N-007/24  
Derwent WPI Acc No: ; G 2000-589075  
Language of Document: English  
Patent (No,Kind,Date): EP 1039676 A2 20000927  
MULTIRESOLUTION TRANSMISSION, IN PARTICULAR WITH MULTICARRIER SIGNALS  
(English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A  
19920326; JP 92256070 A 19920925  
Applc (No,Kind,Date): EP 2000114694 A 19930326  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
; H04N-007/24  
Derwent WPI Acc No: ; G 2000-589076  
Language of Document: English  
Patent (No,Kind,Date): EP 1039677 A2 20000927  
MULTIRESOLUTION TRANSMISSION AND ERROR CORRECTION CODING, WITH  
MULTICARRIER MODULATION (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A  
19920326; JP 92256070 A 19920925  
Applc (No,Kind,Date): EP 2000114696 A 19930326  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
; H04N-007/24  
Derwent WPI Acc No: ; G 2000-589077  
Language of Document: English  
Patent (No,Kind,Date): EP 1039678 A2 20000927  
MULTIRESOLUTION TRANSMISSION, PARTICULARLY WITH MULTICARRIER SIGNALS  
(English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A  
19920326; JP 92256070 A 19920925  
Applc (No,Kind,Date): EP 2000114697 A 19930326  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
; H04N-007/24  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 2000-580985; G  
2000-580986; G 2000-580987; G 2000-580988; G 2000-580972; G  
2000-589073; G 2000-589074; G 2000-589075; G 2000-589076; G  
2000-589077; G 2000-589078; G 2000-595507; G 2000-580985  
JAPIO Reference No: \* 180486E000144  
Language of Document: English

Patent (No,Kind,Date): EP 1039679 A2 20000927  
MULTIRESOLUTION TRANSMISSION WITH MULTICARRIER SIGNALS (English; French;  
; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A  
19920326; JP 92256070 A 19920925  
Applc (No,Kind,Date): EP 2000114698 A 19930326  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
; H04N-007/24  
Derwent WPI Acc No: ; G 2000-589078  
Language of Document: English  
Patent (No,Kind,Date): EP 1039680 A2 20000927  
MULTIRESOLUTION TRANSMISSION AND ERROR CORRECTION CODING WITH  
MULTICARRIER MODULATION (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A  
19920326; JP 92256070 A 19920925  
Applc (No,Kind,Date): EP 2000114699 A 19930326  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
; H04N-007/24  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 2000-580985; G  
2000-580986; G 2000-580987; G 2000-580988; G 2000-589072; G  
2000-589073; G 2000-589074; G 2000-589075; G 2000-589076; G  
2000-589077; G 2000-589078; G 2000-595507; G 2000-580986  
JAPIO Reference No: \* 180486E000144  
Language of Document: English  
Patent (No,Kind,Date): EP 1039681 A2 20000927  
MULTIRESOLUTION TRANSMITION AND ERROR CORRECTION CODING, WITH  
MULTICARRIER SIGNALS (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A  
19920326; JP 92256070 A 19920925  
Applc (No,Kind,Date): EP 2000114701 A 19930326  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
; H04N-007/34  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 2000-580985; G  
2000-580986; G 2000-580987; G 2000-580988; G 2000-589072; G  
2000-589073; G 2000-589074; G 2000-589075; G 2000-589076; G  
2000-589077; G 2000-589078; G 2000-595507; G 2000-580987  
JAPIO Reference No: \* 180486E000144  
Language of Document: English  
Patent (No,Kind,Date): EP 1039682 A2 20000927  
MULTIRESOLUTION TRANSMISSION, IN PARTICULAR WITH MULTICARRIER SINGALS  
(English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A  
19920326; JP 92256070 A 19920925  
Applc (No,Kind,Date): EP 2000114702 A 19930326  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
; H04N-007/24  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 2000-580985; G  
2000-580986; G 2000-580987; G 2000-580988; G 2000-589072; G  
2000-589073; G 2000-589074; G 2000-589075; G 2000-589076; G  
2000-589077; G 2000-589078; G 2000-595507; G 2000-580988  
JAPIO Reference No: \* 180486E000144  
Language of Document: English

Patent (No,Kind,Date): EP 1045541 A2 20001018  
MULTIRESOLUTION TRANSMISSION AND ERROR CORRECTION CODING WITH  
MULTICARRIER SIGNALS (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A  
19920326; JP 92256070 A 19920925  
Applie (No,Kind,Date): EP 2000114700 A 19930326  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
; H04N-007/24  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 2000-580985; G  
2000-580986; G 2000-580987; G 2000-580988; G 2000-589072; G  
2000-589073; G 2000-589074; G 2000-589075; G 2000-589076; G  
2000-589077; G 2000-589078; G 2000-595507  
JAPIO Reference No: \* 180486E000144  
Language of Document: English

Patent (No,Kind,Date): EP 1049282 A2 20001102  
MULTIRESOLUTION MODULATION WITH MULTICARRIER SIGNALS (English; French;  
German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A  
19920925; JP 9366461 A 19930325; JP 93132984 A 19930510  
Applie (No,Kind,Date): EP 2000114574 A 19930924  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/34; H04N-007/24  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 94-311606; G  
94-342258  
JAPIO Reference No: \* 180486E000144  
Language of Document: English

Patent (No,Kind,Date): EP 1049283 A2 20001102  
MULTIRESOLUTION TRANSMISSION WITH MULTICARRIER SIGNALS (English; French  
; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A  
19920326; JP 92256070 A 19920925  
Applie (No,Kind,Date): EP 2000114693 A 19930326  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
; H04N-007/24  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 2000-580985; G  
2000-580986; G 2000-580987; G 2000-580988; G 2000-589072; G  
2000-589073; G 2000-589074; G 2000-589075; G 2000-589076; G  
2000-589077; G 2000-589078; G 2000-595507  
JAPIO Reference No: \* 180486E000144  
Language of Document: English

Patent (No,Kind,Date): EP 1049284 A2 20001102  
MULTIRESOLUTION TRANSMISSION WITH MULTICARRIER SIGNALS (English; French  
; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A  
19920326; JP 92256070 A 19920925  
Applie (No,Kind,Date): EP 2000114695 A 19930326  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
; H04N-007/24  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 2000-580985; G  
2000-580986; G 2000-580987; G 2000-580988; G 2000-589072; G  
2000-589073; G 2000-589074; G 2000-589075; G 2000-589076; G  
2000-589077; G 2000-589078; G 2000-595507  
JAPIO Reference No: \* 180486E000144

Language of Document: English  
Patent (No,Kind,Date): EP 1050879 A2 20001108  
RECORDING AND REPRODUCING APPARATUS WITH MEANS FOR ENCRYPTION OF INFORMATION (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 94305557 A3 19940727; JP 93205682 A 19930727; JP 94104879 A 19940418; JP 94156089 A 19940707; JP 93297504 A 19931102; JP 93314114 A 19931119  
Applic (No,Kind,Date): EP 2000115017 A 19940727  
Designated States: (National) BE; CH; DE; FR; GB; IT; LI; NL  
IPC: \* G11B-020/00; G06F-001/00; G11B-007/00; G11B-013/04; G11B-019/02 ; G11B-023/28  
Derwent WPI Acc No: \* C 94-236841; G 94-242360; G 95-116722; G 95-246541; G 95-341616; G 95-373939; G 96-062972; G 98-181451  
Language of Document: English  
Patent (No,Kind,Date): EP 506400 A3 19930526  
SIGNAL TRANSMISSION SYSTEM (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI - KATSURA (JP)  
Priority (No,Kind,Date): JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317  
Applic (No,Kind,Date): EP 92302627 A 19920326  
Designated States: (National) DE; FR; GB; NL  
IPC: \* H04N-007/13; H04N-007/04  
Derwent WPI Acc No: \* G 92-325674  
Language of Document: English  
Patent (No,Kind,Date): EP 555031 A3 19951115  
RECORDING AND REPRODUCING APPARATUS (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): JP 9213809 A 19920129; JP 9242558 A 19920228; JP 9250328 A 19920309; JP 9268031 A 19920326; JP 92111176 A 19920430; JP 92194450 A 19920722; JP 92280874 A 19920925  
Applic (No,Kind,Date): EP 93300695 A 19930129  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE  
IPC: \* G11B-013/00; G11B-011/10; G11B-013/04  
Derwent WPI Acc No: \* G 93-251292; G 93-313529  
JAPIO Reference No: \* 180014P000119; 180121P000165; 180264P000063; 180522P000136; 180618P000070  
Language of Document: English  
Patent (No,Kind,Date): EP 564187 A3 19951206  
RECORDING AND REPRODUCING APPARATUS (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); TANAKA MICHIRO (JP); SHIMIZU RYOSUKE (JP); KODO TOSHIKAZU (JP)  
Priority (No,Kind,Date): JP 938596 A 19930121; JP 9268031 A 19920326; JP 92111176 A 19920430; JP 92194450 A 19920722; JP 92280874 A 19920925; JP 92282666 A 19921021; JP 92331300 A 19921211  
Applic (No,Kind,Date): EP 93302365 A 19930326  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE  
IPC: \* G11B-013/00; G11B-011/10; G11B-023/03; G11B-013/04  
Derwent WPI Acc No: \* C 94-236841; G 93-251292; G 93-313529; G 94-242360; G 95-341616; G 96-062972; G 98-181451  
JAPIO Reference No: \* 180121P000165; 180264P000063; 180522P000136; 180618P000070  
Language of Document: English  
Patent (No,Kind,Date): EP 589709 A3 19940928  
MULTIRESOLUTION TRANSMISSION SYSTEM (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (DE); MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): JP 9366461 A 19930325; JP 93132984 A

19930510; JP 92256070 A 19920925  
Applic (No,Kind,Date): EP 93307575 A 19930924  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-027/34; H04N-007/13; H04L-005/06; H04L-027/18  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 94-311606; G  
94-342258  
JAPIO Reference No: \* 180486E000144  
Language of Document: English  
Patent (No,Kind,Date): EP 608126 A3 19951129  
INFORMATION RECORDING MEDIUM AND METHOD OF FABRICATING SAME. (English;  
French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); KOMODA HIDEAKI (JP);  
USHIGOME HISASHI (JP)  
Priority (No,Kind,Date): JP 938596 A 19930121; JP 9392219 A  
19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP  
93297504 A 19931102; JP 93314114 A 19931119  
Applic (No,Kind,Date): EP 94300403 A 19940119  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE  
IPC: \* G11B-013/04; G11B-023/44  
Derwent WPI Acc No: \* C 94-236841; G 93-313529; G 94-242360; G  
95-116722; G 95-341616; G 96-062972; G 98-181451  
Language of Document: English  
Patent (No,Kind,Date): EP 609013 A3 19951129  
RECORDING AND REPRODUCING APPARATUS. (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); SHIMIZU RYOSUKE (JP); KOUDO  
TOSHIKAZU (JP); YOSHIURA TSUKASA (JP); MATSUURA TAKUMI (JP);  
TANAKA MITIRO (JP); TAN SATOSHI (JP)  
Priority (No,Kind,Date): JP 938596 A 19930121; JP 9392219 A  
19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP  
93297504 A 19931102; JP 93314114 A 19931119  
Applic (No,Kind,Date): EP 94300402 A 19940119  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE  
IPC: \* G11B-013/04; G11B-020/10; G11B-019/28; G11B-020/18; G11B-021/02  
; G11B-023/00; G11B-023/36  
Derwent WPI Acc No: \* C 94-236841; G 93-313529; G 94-242360; G  
95-116722; G 95-341616; G 96-062972; G 98-181451  
Language of Document: English  
Patent (No,Kind,Date): EP 609617 A3 19961211  
RECORDING AND REPRODUCING APPARATUS. (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); TAN SATOSHI (JP); KUWAMOTO  
MAKOTO (JP)  
Priority (No,Kind,Date): JP 938596 A 19930121; JP 93205682 A  
19930727; JP 92321063 A 19921201  
Applic (No,Kind,Date): EP 93309619 A 19931201  
Designated States: (National) BE; DE; FR; GB; NL  
IPC: \* G06F-001/18  
Derwent WPI Acc No: \* C 94-236841; G 93-313529; G 94-242360; G  
95-116722; G 95-341616; G 96-062972; G 98-181451  
Language of Document: English  
Patent (No,Kind,Date): EP 637016 A3 19950830  
RECORDING AND REPRODUCING APPARATUS. (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): JP 93205682 A 19930727; JP 94104879 A  
19940418; JP 94156089 A 19940707; JP 93297504 A 19931102; JP  
93314114 A 19931119  
Applic (No,Kind,Date): EP 94305557 A 19940727  
Designated States: (National) BE; CH; DE; FR; GB; IT; LI; NL  
IPC: \* G11B-007/00; G11B-013/04; G11B-011/10; G11B-019/02; G11B-020/00  
; G11B-023/28  
Derwent WPI Acc No: \* C 94-236841; G 94-242360; G 95-116722; G  
95-246541; G 95-341616; G 95-373939; G 96-062972; G 98-181451

Language of Document: English  
Patent (No,Kind,Date): EP 766478 A3 20000119  
SIGNAL TRANSMISSION SYSTEM (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 92302627 A3 19920326; JP 9162798 A  
19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP  
91182236 A 19910723; JP 9260739 A 19920317  
Aplic (No,Kind,Date): EP 96119060 A 19920326  
Designated States: (National) DE; FR; GB; NL  
IPC: \* H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34  
Derwent WPI Acc No: \* G 92-325674; G 97-195354  
JAPIO Reference No: \* 180152E000002  
Language of Document: English  
Patent (No,Kind,Date): EP 1035693 A3 20001206  
MULTIRESOLUTION TRANSMISSION, IN PARTICULAR FOR MULTICARRIER SYSTEMS  
(English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A  
19920925; JP 9366461 A 19930325; JP 93132984 A 19930510  
Aplic (No,Kind,Date): EP 2000114572 A 19930924  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34; H04L-027/38  
; H04N-007/24  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 94-311606; G  
94-342258  
JAPIO Reference No: \* 180486E000144  
Language of Document: English  
Patent (No,Kind,Date): EP 1035694 A3 20001206  
MULTIRESOLUTION TRANSMISSION SYSTEM (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A  
19920925; JP 9366461 A 19930325; JP 93132984 A 19930510  
Aplic (No,Kind,Date): EP 2000114573 A 19930924  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34; H04L-027/38  
; H04N-007/24  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 94-311606; G  
94-342258  
JAPIO Reference No: \* 180486E000144  
Language of Document: English  
Patent (No,Kind,Date): EP 1035695 A3 20001206  
MULTIRESOLUTION TRANSMISSION, PARTICULARLY FOR MULTICARRIER SYSTEMS  
(English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A  
19920925; JP 9366461 A 19930325; JP 93132984 A 19930510  
Aplic (No,Kind,Date): EP 2000114575 A 19930924  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34; H04L-027/38  
; H04N-007/24  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 94-311606; G  
94-342258  
JAPIO Reference No: \* 180486E000144  
Language of Document: English  
Patent (No,Kind,Date): EP 1035696 A3 20001206  
MULTIRESOLUTION TRANSMISSION SYSTEM (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A  
19920925; JP 9366461 A 19930325; JP 93132984 A 19930510  
Aplic (No,Kind,Date): EP 2000114577 A 19930924

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34; H04L-027/38  
; H04N-007/24

Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 94-311606; G  
94-342258; G 2000-580985; G 2000-580986; G 2000-580987; G  
2000-580988; G 2000-589072; G 2000-589073; G 2000-589074; G  
2000-589075; G 2000-589076; G 2000-589077; G 2000-589078; G  
2000-595507

JAPIO Reference No: \* 180486E000144

Language of Document: English

Patent (No,Kind,Date): EP 1035697 A3 20001206  
MULTIRESOLUTION TRANSMISSION, IN PARTICULAR FOR MULTICARRIER SYSTEMS  
(English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A  
19920925; JP 9366461 A 19930325; JP 93132984 A 19930510

Applie (No,Kind,Date): EP 2000114578 A 19930924

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE

IPC: \* H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34; H04L-027/38  
; H04N-007/24

Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 94-311606; G  
94-342258; G 2000-580985; G 2000-580986; G 2000-580987; G  
2000-580988; G 2000-589072; G 2000-589073; G 2000-589074; G  
2000-589075; G 2000-589076; G 2000-589077; G 2000-589078; G  
2000-595507

JAPIO Reference No: \* 180486E000144

Language of Document: English

Patent (No,Kind,Date): EP 1035698 A3 20001206  
MULTIRESOLUTION TRANSMISSION SYSTEM (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A  
19920925; JP 9366461 A 19930325; JP 93132984 A 19930510

Applie (No,Kind,Date): EP 2000114579 A 19930924

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE

IPC: \* H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34; H04L-027/38  
; H04N-007/24

Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 94-311606; G  
94-342258; G 2000-580985; G 2000-580986; G 2000-580987; G  
2000-580988; G 2000-589072; G 2000-589073; G 2000-589074; G  
2000-589075; G 2000-589076; G 2000-589077; G 2000-589078; G  
2000-595507

JAPIO Reference No: \* 180486E000144

Language of Document: English

Patent (No,Kind,Date): EP 1039672 A3 20001206  
MULTIRESOLUTION TRANSMISSION, PARTICULARLY FOR MULTICARRIER SYSTEMS  
(English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A  
19920925; JP 9366461 A 19930325; JP 93132984 A 19930510

Applie (No,Kind,Date): EP 2000114576 A 19930924

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE

IPC: \* H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34; H04L-027/38  
; H04N-007/24

Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 94-311606; G  
94-342258; G 2000-580985; G 2000-580986; G 2000-580987; G  
2000-580988; G 2000-589072; G 2000-589073; G 2000-589074; G  
2000-589075; G 2000-589076; G 2000-589077; G 2000-589078; G  
2000-595507

JAPIO Reference No: \* 180486E000144

Language of Document: English

Patent (No,Kind,Date): EP 1039673 A3 20001206

MULTIRESOLUTION TRANSMISSION AND ERROR CORRECTION CODING WITH MULTICARRIER SIGNALS (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A 19920326; JP 92256070 A 19920925  
Applie (No,Kind,Date): EP 2000114689 A 19930326  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34 ; H04N-007/24  
Derwent WPI Acc No: \* G 93-305235; G 94-103292  
JAPIO Reference No: \* 180486E000144  
Language of Document: English

Patent (No,Kind,Date): EP 1039674 A3 20001206  
MULTIRESOLITION TRANSMISSION AND ERROR CORRECTION CODING WITH MULTICARRIER SIGNALS (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A 19920326; JP 92256070 A 19920925  
Applie (No,Kind,Date): EP 2000114690 A 19930326  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34 ; H04N-007/24  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 2000-580985; G 2000-580986; G 2000-580987; G 2000-580988; G 2000-589072; G 2000-589073; G 2000-589074; G 2000-589075; G 2000-589076; G 2000-589077; G 2000-589078; G 2000-595507  
JAPIO Reference No: \* 180486E000144  
Language of Document: English

Patent (No,Kind,Date): EP 1039675 A3 20001206  
MULTIRESOLUTION TRANSMISSION WITH MULTICARRIER SIGNALS (English; French ; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A 19920326; JP 92256070 A 19920925  
Applie (No,Kind,Date): EP 2000114692 A 19930326  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34 ; H04N-007/24  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 2000-580985; G 2000-580986; G 2000-580987; G 2000-580988; G 2000-589072; G 2000-589073; G 2000-589074; G 2000-589075; G 2000-589076; G 2000-589077; G 2000-589078; G 2000-595507  
JAPIO Reference No: \* 180486E000144  
Language of Document: English

Patent (No,Kind,Date): EP 1039676 A3 20001206  
MULTIRESOLUTION TRANSMISSION, IN PARTICULAR WITH MULTICARRIER SIGNALS (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A 19920326; JP 92256070 A 19920925  
Applie (No,Kind,Date): EP 2000114694 A 19930326  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34 ; H04N-007/24  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 2000-580985; G 2000-580986; G 2000-580987; G 2000-580988; G 2000-589072; G 2000-589073; G 2000-589074; G 2000-589075; G 2000-589076; G 2000-589077; G 2000-589078; G 2000-595507  
JAPIO Reference No: \* 180486E000144  
Language of Document: English

Patent (No,Kind,Date): EP 1039677 A3 20001206  
MULTIRESOLUTION TRANSMISSION AND ERROR CORRECTION CODING, WITH  
MULTICARRIER MODULATION (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A  
19920326; JP 92256070 A 19920925  
Applc (No,Kind,Date): EP 2000114696 A 19930326  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
; H04N-007/24  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 2000-580985; G  
2000-580986; G 2000-580987; G 2000-580988; G 2000-589072; G  
2000-589073; G 2000-589074; G 2000-589075; G 2000-589076; G  
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JAPIO Reference No: \* 180486E000144  
Language of Document: English  
Patent (No,Kind,Date): EP 1039678 A3 20001206  
MULTIRESOLUTION TRANSMISSION, PARTICULARLY WITH MULTICARRIER SIGNALS  
(English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A  
19920326; JP 92256070 A 19920925  
Applc (No,Kind,Date): EP 2000114697 A 19930326  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
; H04N-007/24  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 2000-580985; G  
2000-580986; G 2000-580987; G 2000-580988; G 2000-589072; G  
2000-589073; G 2000-589074; G 2000-589075; G 2000-589076; G  
2000-589077; G 2000-589078; G 2000-595507  
JAPIO Reference No: \* 180486E000144  
Language of Document: English  
Patent (No,Kind,Date): EP 1039679 A3 20001206  
MULTIRESOLUTION TRANSMISSION WITH MULTICARRIER SIGNALS (English; French  
; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A  
19920326; JP 92256070 A 19920925  
Applc (No,Kind,Date): EP 2000114698 A 19930326  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
; H04N-007/24  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 2000-580985; G  
2000-580986; G 2000-580987; G 2000-580988; G 2000-589072; G  
2000-589073; G 2000-589074; G 2000-589075; G 2000-589076; G  
2000-589077; G 2000-589078; G 2000-595507  
JAPIO Reference No: \* 180486E000144  
Language of Document: English  
Patent (No,Kind,Date): EP 1039680 A3 20001206  
MULTIRESOLUTION TRANSMISSION AND ERROR CORRECTION CODING WITH  
MULTICARRIER MODULATION (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A  
19920326; JP 92256070 A 19920925  
Applc (No,Kind,Date): EP 2000114699 A 19930326  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
; H04N-007/24  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 2000-580985; G  
2000-580986; G 2000-580987; G 2000-580988; G 2000-589072; G

2000-589073; G 2000-589074; G 2000-589075; G 2000-589076; G  
2000-589077; G 2000-589078; G 2000-595507

JAPIO Reference No: \* 180486E000144

Language of Document: English

Patent (No,Kind,Date): EP 1039681 A3 20001206

MUTLIRESOLUTION TRANSMITION AND ERROR CORRECTION CODING, WITH  
MULTICARRIER SIGNALS (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A  
19920326; JP 92256070 A 19920925

Aplic (No,Kind,Date): EP 2000114701 A 19930326

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE

IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
; H04N-007/24

Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 2000-580985; G  
2000-580986; G 2000-580987; G 2000-580988; G 2000-580972; G  
2000-589073; G 2000-589074; G 2000-589075; G 2000-589076; G  
2000-589077; G 2000-589078; G 2000-595507

JAPIO Reference No: \* 180486E000144

Language of Document: English

Patent (No,Kind,Date): EP 1039682 A3 20001206

MUTLIRESOLUTION TRANSMISSION, IN PARTICULAR WITH MULTICARRIER SINGALS  
(English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A  
19920326; JP 92256070 A 19920925

Aplic (No,Kind,Date): EP 2000114702 A 19930326

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE

IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
; H04N-007/24

Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 2000-580985; G  
2000-580986; G 2000-580987; G 2000-580988; G 2000-580972; G  
2000-589073; G 2000-589074; G 2000-589075; G 2000-589076; G  
2000-589077; G 2000-589078; G 2000-595507

JAPIO Reference No: \* 180486E000144

Language of Document: English

Patent (No,Kind,Date): EP 1045541 A3 20001206

MUTLIRESOLUTION TRANSMISSION AND ERROR CORRECTION CODING WITH  
MULTICARRIER SIGNALS (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A  
19920326; JP 92256070 A 19920925

Aplic (No,Kind,Date): EP 2000114700 A 19930326

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE

IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
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Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 2000-580985; G  
2000-580986; G 2000-580987; G 2000-580988; G 2000-580972; G  
2000-589073; G 2000-589074; G 2000-589075; G 2000-589076; G  
2000-589077; G 2000-589078; G 2000-595507

JAPIO Reference No: \* 180486E000144

Language of Document: English

Patent (No,Kind,Date): EP 1049282 A3 20001206

MUTLIRESOLUTION MODULATION WITH MULTICARRIER SIGNALS (English; French;  
German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A  
19920925; JP 9366461 A 19930325; JP 93132984 A 19930510

Aplic (No,Kind,Date): EP 2000114574 A 19930924

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE

IPC: \* H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34; H04L-027/38  
; H04N-007/24

Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 94-311606; G  
94-342258

JAPIO Reference No: \* 180486E000144

Language of Document: English

Patent (No,Kind,Date): EP 1049283 A3 20001206

MULTIRESOLUTION TRANSMISSION WITH MULTICARRIER SIGNALS (English; French  
; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A  
19920326; JP 92256070 A 19920925

Applic (No,Kind,Date): EP 2000114693 A 19930326

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE

IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
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Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 2000-580985; G  
2000-580986; G 2000-580987; G 2000-580988; G 2000-589072; G  
2000-589073; G 2000-589074; G 2000-589075; G 2000-589076; G  
2000-589077; G 2000-589078; G 2000-595507

JAPIO Reference No: \* 180486E000144

Language of Document: English

Patent (No,Kind,Date): EP 1049284 A3 20001206

MULTIRESOLUTION TRANSMISSION WITH MULTICARRIER SIGNALS (English; French  
; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A  
19920326; JP 92256070 A 19920925

Applic (No,Kind,Date): EP 2000114695 A 19930326

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE

IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
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Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 2000-580985; G  
2000-580986; G 2000-580987; G 2000-580988; G 2000-589072; G  
2000-589073; G 2000-589074; G 2000-589075; G 2000-589076; G  
2000-589077; G 2000-589078; G 2000-595507

JAPIO Reference No: \* 180486E000144

Language of Document: English

Patent (No,Kind,Date): EP 689200 A4 19960529

OPTICAL RECORDING MEDIUM, REPRODUCTION APPARATUS OF OPTICAL DISK,  
REPRODUCTION METHOD OF OPTICAL DISK, PRODUCTION METHOD OF ORIGINAL  
DISK OF OPTICAL DISK, AND ILLEGAL PROGRAM OPERATION STOP METHOD  
(English; French; German)

Patent Assignee: MATSUSHITA ELECTRONICS CORP (JP)

Author (Inventor): UENO FUMIAKI (JP); OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): WO 94JP2304 W 19941228; JP 93335165 A  
19931228; JP 9422191 A 19940120; JP 94104879 A 19940418; JP.  
94156089 A 19940707; JP 94299508 A 19941202

Applic (No,Kind,Date): EP 95904033 A 19941228

Designated States: (National) DE; FR; GB; IT

IPC: \* G11B-007/007; G11B-020/12; G11B-013/04; G11B-007/00;  
G11B-007/26; G11B-019/06; G11B-020/14; G11B-020/10

Derwent WPI Acc No: \* G 95-116722; G 95-246541; G 95-373939

Language of Document: English

Patent (No,Kind,Date): EP 706174 A4 19970702

METHOD AND APPARATUS FOR PREVENTING ILLEGAL COPYING AND ILLEGAL  
INSTALLATION OF INFORMATION ON OPTICAL RECORDING MEDIUM (English;  
French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP)

Priority (No,Kind,Date): WO 95JP760 W 19950418; JP 94104879 A  
19940418; JP 94283415 A 19941117; JP 94327963 A 19941228; JP  
9515318 A 19950201; JP 9516865 A 19950203

Applic (No,Kind,Date): EP 95915345 A 19950418

Designated States: (National) DE; FR; GB; NL  
IPC: \* G11B-007/00; G11B-020/10; G11B-023/30; G11B-013/04; G11B-019/06  
; G11B-007/09  
Derwent WPI Acc No: \* G 95-116722; G 95-246541; G 95-373939; G 96-268785  
Language of Document: English  
Patent (No,Kind,Date): EP 741382 A4 19970702  
MARKING GENERATING APPARATUS, METHOD OF FORMING LASER MARKING ON  
OPTICAL DISK, REPRODUCING APPARATUS, OPTICAL DISK AND OPTICAL DISK  
PRODUCING METHOD (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP)  
Priority (No,Kind,Date): WO 95JP2339 W 19951116; JP 94283415 A 19941117; JP 9516153 A 19950202; JP 95261247 A 19951009  
Applic (No,Kind,Date): EP 95938017 A 19951116  
Designated States: (National) DE; FR; GB  
IPC: \* G11B-007/00; G11B-020/10; G11B-007/26; G11B-020/12  
Derwent WPI Acc No: \* G 95-373939; G 96-268785; G 97-236117; G 97-236119  
Language of Document: English  
Patent (No,Kind,Date): EP 802527 A4 19971210  
OPTICAL DISK, OPTICAL RECORDER, OPTICAL REPRODUCING DEVICE, ENCRYPTED  
COMMUNICATION SYSTEM, AND AUTHORIZING SYSTEM FOR USE OF PROGRAM  
(English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA YOSHINARI (JP)  
Priority (No,Kind,Date): WO 96JP2924 W 19961008; JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809  
Applic (No,Kind,Date): EP 96932845 A 19961008  
Designated States: (National) DE; FR; GB  
IPC: \* G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: English  
Patent (No,Kind,Date): EP 807929 A4 19971210  
Priority (No,Kind,Date): WO 96JP1303 W 19960515; JP 95261247 A 19951009; JP 968910 A 19960123  
Applic (No,Kind,Date): EP 96915172 A 19960515  
Designated States: (National) DE; FR; GB  
IPC: \* G11B-007/24  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: English; French; German  
Patent (No,Kind,Date): EP 506400 B1 19971217  
SIGNAL TRANSMISSION SYSTEM (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317  
Applic (No,Kind,Date): EP 92302627 A 19920326  
Designated States: (National) DE; FR; GB; NL  
IPC: \* H04N-007/24; H04N-007/04; H04N-007/12; H04N-007/08; H04L-027/34  
Derwent WPI Acc No: \* G 92-325674; G 97-195354  
JAPIO Reference No: \* 180152E000002  
Language of Document: English  
Patent (No,Kind,Date): EP 1003162 B1 20001102  
AN OPTICAL DISK AND AN OPTICAL DISK REPRODUCTION APPARATUS (English;  
French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP)  
Priority (No,Kind,Date): EP 96915172 A3 19960515; JP 95261247 A 19951009; JP 968910 A 19960123  
Applic (No,Kind,Date): EP 2000103257 A 19960515  
Designated States: (National) DE; FR; GB  
IPC: \* G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38  
; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00

Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
 Language of Document: English  
 Patent (No,Kind,Date): EP 1005034 B1 20001102  
 AN OPTICAL DISK CARRYING BARCODED INFORMATION (English; French; German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)  
 Priority (No,Kind,Date): EP 96915172 A3 19960515; JP 95261247 A 19951009; JP 968910 A 19960123  
 Applic (No,Kind,Date): EP 2000101775 A 19960515  
 Designated States: (National) DE; FR; GB  
 IPC: \* G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38 ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00  
 Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
 Language of Document: English  
 Patent (No,Kind,Date): EP 1005035 B1 20001102  
 AN OPTICAL DISK AND AN OPTICAL DISK REPRODUCTION APPARATUS (English; French; German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)  
 Priority (No,Kind,Date): EP 96915172 A3 19960515; JP 95261247 A 19951009; JP 968910 A 19960123  
 Applic (No,Kind,Date): EP 2000104818 A 19960515  
 Designated States: (National) DE; FR; GB  
 IPC: \* G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38 ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00  
 Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
 Language of Document: English

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 EP 506400 P 19910327 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 EP 506400 P 19910425 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 EP 506400 P 19910529 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 EP 506400 P 19910723 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 EP 506400 P 19920317 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 EP 506400 P 19920326 EP AE EP-APPLICATION (EUROPÆISCHE ANMELDUNG)  
 EP 506400 P 19920930 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)  
 EP 506400 P 19920930 EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)  
 EP 506400 P 19930526 EP AK DESIGNATED CONTRACTING STATES IN A SEARCH REPORT (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

		DE FR GB NL
EP 506400	P	19930526 EP A3            SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93))
EP 506400	P	19940112 EP 17P            REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 931117
EP 506400	P	19960110 EP 17Q            FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID) 951127
EP 506400	P	19970402 EP AH            DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 766478 P
EP 506400	P	19971217 EP AK            DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION: (IN EINER PATENTSCHRIFT ANGEGEHRTE BENANNTEN VERTRAGSSTAATEN) DE FR GB NL
EP 506400	P	19971217 EP B1            PATENT SPECIFICATION (PATENTSCHRIFT)
EP 506400	P	19971217 EP DX            MISCELLANEOUS: (DELETED) (DIVERSES: (GELOESCHT))
EP 506400	P	19980129 EP REF            CORRESPONDS TO: (ENTSPRICHT) DE 69223541 P 19980129
EP 506400	P	19980320 EP ET            FR: TRANSLATION FILED (FR: TRADUCTION A ETE REMISE)
EP 506400	P	19981209 EP 26N            NO OPPOSITION FILED (KEIN EINSPRUCH EINGELEGT)
EP 506400	P	20000119 EP AH            DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 973335 P
EP 506400	P	20000126 EP AH            DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 975168 P
EP 506400	P	20000126 EP AH            DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 975169 P
EP 506400	P	20000126 EP AH            DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 975170 P
EP 506400	P	20000126 EP AH            DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 975171 P
EP 506400	P	20000126 EP AH            DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 975172 P
EP 506400	P	20000126 EP AH            DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 975173 P
EP 506400	P	20000126 EP AH            DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 975174 P
EP 506400	P	20001102 EP AH            DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 1049334 P
EP 555031	P	19920129 EP AA            PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 555031	P	JP 9213809 A            19920129 19920228 EP AA            PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 555031	P	JP 9242558 A            19920228 19920309 EP AA            PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 555031 P JP 9250328 A 19920309  
 19920326 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 EP 555031 P JP 9268031 A 19920326  
 19920430 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 EP 555031 P JP 92111176 A 19920430  
 19920722 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 EP 555031 P JP 92194450 A 19920722  
 19920925 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 EP 555031 P JP 92280874 A 19920925  
 19930129 EP AE EP-APPLICATION  
 (EUROPAEISCHE ANMELDUNG)  
 EP 93300695 A 19930129  
 EP 555031 P 19930811 EP AK DESIGNATED CONTRACTING  
 STATES IN AN APPLICATION WITHOUT SEARCH  
 REPORT (IN EINER ANMELDUNG OHNE  
 RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)  
 AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
 PT SE  
 EP 555031 P 19930811 EP A2 PUBLICATION OF APPLICATION  
 WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER  
 ANMELDUNG OHNE RECHERCHENBERICHT)  
 EP 555031 P 19930811 EP 17P REQUEST FOR EXAMINATION  
 FILED (PRUEFUNGSANTRAG GESTELLT)  
 930206  
 EP 555031 P 19951115 EP AK DESIGNATED CONTRACTING  
 STATES IN A SEARCH REPORT: (IN EINEM  
 RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)  
 AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
 PT SE  
 EP 555031 P 19951115 EP A3 SEPARATE PUBLICATION OF THE  
 SEARCH REPORT (ART. 93) (GESONDERTE  
 VEROEFFENTLICHUNG DES RECHERCHENBERICHTS  
 (ART. 93))  
 EP 555031 P 19970402 EP 17Q FIRST EXAMINATION REPORT  
 (ERSTER PRUEFUNGSBESCHEID)  
 970214  
 EP 555031 P 19981223 EP 18D DEEMED TO BE WITHDRAWN (ALS  
 ZURUECKGENOMMEN GELTEN)  
 980626  
 EP 562875 P 19920326 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 EP 562875 P JP 9267934 A 19920326  
 19920925 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 EP 562875 P JP 92256070 A 19920925  
 19930326 EP AE EP-APPLICATION  
 (EUROPAEISCHE ANMELDUNG)  
 EP 93302369 A 19930326  
 EP 562875 P 19930929 EP AK DESIGNATED CONTRACTING  
 STATES IN AN APPLICATION WITH SEARCH REPORT  
 (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN)  
 AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
 PT SE  
 EP 562875 P 19930929 EP A1 PUBLICATION OF APPLICATION  
 WITH SEARCH REPORT (VEROEFFENTLICHUNG DER

ANMELDUNG MIT RECHERCHENBERICHT)

EP 562875 P 19930929 EP 17P REQUEST FOR EXAMINATION  
FILED (PRUEFUNGSANTRAG GESTELLT)  
930403

EP 562875 P 19960417 EP 17Q FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID)  
960306

EP 562875 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))  
EP 2000114689 A 20000708

EP 562875 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))  
EP 2000114690 A 20000708

EP 562875 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))  
EP 2000114692 A 20000708

EP 562875 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))  
EP 2000114693 A 20000708

EP 562875 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))  
EP 2000114694 A 20000708

EP 562875 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))  
EP 2000114695 A 20000708

EP 562875 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))  
EP 2000114696 A 20000708

EP 562875 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))  
EP 2000114697 A 20000708

EP 562875 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))  
EP 2000114698 A 20000708

EP 562875 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))  
EP 2000114699 A 20000708

EP 562875 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))  
EP 2000114700 A 20000708

EP 562875 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))  
EP 2000114701 A 20000708

EP 562875 P 20000830 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:)  
EP 1039673 P

EP 562875 P 20000927 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:)  
EP 1039674 P

EP 562875 P 20000927 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:)  
EP 1039675 P

EP 562875	P	20000927 EP AH	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 1039676 P
EP 562875	P	20000927 EP AH	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 1039677 P
EP 562875	P	20000927 EP AH	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 1039678 P
EP 562875	P	20000927 EP AH	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 1039679 P
EP 562875	P	20000927 EP AH	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 1039680 P
EP 562875	P	20000927 EP AH	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 1039681 P
EP 562875	P	20000927 EP AH	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 1039682 P
EP 562875	P	20001018 EP AH	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 1045541 P
EP 562875	P	20001102 EP AH	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 1049283 P
EP 562875	P	20001102 EP AH	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 1049284 P
EP 564187	P	19920326 EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))  JP 9268031 A 19920326
EP 564187	P	19920430 EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 564187	P	19920722 EP AA	JP 92111176 A 19920430 PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 564187	P	19920925 EP AA	JP 92194450 A 19920722 PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 564187	P	19921021 EP AA	JP 92280874 A 19920925 PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 564187	P	19921211 EP AA	JP 92282666 A 19921021 PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 564187	P	19930121 EP AA	JP 92331300 A 19921211 PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 564187	P	19930326 EP AE	JP 938596 A 19930121 EP-APPLICATION (EUROPAEISCHE ANMELDUNG)
EP 564187	P	199302365 A	EP 93302365 A 19930326
EP 564187	P	19931006 EP AK	DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)
		AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE	
EP 564187	P	19931006 EP A2	PUBLICATION OF APPLICATION

WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)  
 EP 564187 P 19931006 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 930403  
 EP 564187 P 19951206 EP AK DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE  
 EP 564187 P 19951206 EP A3 SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93))

EP 564187 P 19970402 EP 17Q FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID) 970214

EP 564187 P 19980225 EP 18D DEEMED TO BE WITHDRAWN (ALS ZURUECKGENOMMEN GELTEN) 970826

EP 589709 P 19920925 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 92256070 A 19920925  
 EP 589709 P 19930325 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9366461 A 19930325  
 EP 589709 P 19930510 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 93132984 A 19930510  
 EP 589709 P 19930924 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG)  
 EP 93307575 A 19930924

EP 589709 P 19940330 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE  
 EP 589709 P 19940330 EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)

EP 589709 P 19940330 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 931002

EP 589709 P 19940928 EP AK DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE  
 EP 589709 P 19940928 EP A3 SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93))

EP 589709 P 19970102 EP 17Q FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID) 961115

EP 589709 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))  
 EP 2000114572 A 20000707

EP 589709 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART.

		76) IN: (KORR.)) EP 2000114573 A 20000707
EP 589709	P	20000830 EP RAHF DIVISIONAL APPLICATION (ART. 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) EP 2000114574 A 20000707
EP 589709	P	20000830 EP RAHF DIVISIONAL APPLICATION (ART. 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) EP 2000114575 A 20000707
EP 589709	P	20000830 EP RAHF DIVISIONAL APPLICATION (ART. 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) EP 2000114576 A 20000707
EP 589709	P	20000830 EP RAHF DIVISIONAL APPLICATION (ART. 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) EP 2000114577 A 20000707
EP 589709	P	20000830 EP RAHF DIVISIONAL APPLICATION (ART. 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) EP 2000114578 A 20000707
EP 589709	P	20000913 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 1035693 P
EP 589709	P	20000913 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 1035694 P
EP 589709	P	20000913 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 1035695 P
EP 589709	P	20000913 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 1035696 P
EP 589709	P	20000913 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 1035697 P
EP 589709	P	20000913 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 1035698 P
EP 589709	P	20000927 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 1039672 P
EP 589709	P	20001102 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 1049282 P
EP 608126	P	19930121 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 608126	P	JP 938596 A 19930121 19930325 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 608126	P	JP 9392219 A 19930325 19930409 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 608126	P	JP 93107423 A 19930409 19930727 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 608126	P	JP 93205682 A 19930727 19931102 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 608126 P JP 93297504 A 19931102  
 19931119 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 JP 93314114 A 19931119  
 EP 608126 P 19940119 EP AE EP-APPLICATION  
 (EUROPAEISCHE ANMELDUNG)  
 EP 94300403 A 19940119  
 EP 608126 P 19940727 EP AK DESIGNATED CONTRACTING  
 STATES IN AN APPLICATION WITHOUT SEARCH  
 REPORT: (IN EINER ANMELDUNG OHNE  
 RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)  
 AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
 PT SE  
 EP 608126 P 19940727 EP A2 PUBLICATION OF APPLICATION  
 WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER  
 ANMELDUNG OHNE RECHERCHENBERICHT)  
 EP 608126 P 19940727 EP 17P REQUEST FOR EXAMINATION  
 FILED (PRUEFUNGSANTRAG GESTELLT)  
 940127  
 EP 608126 P 19951129 EP AK DESIGNATED CONTRACTING  
 STATES IN A SEARCH REPORT: (IN EINEM  
 RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)  
 AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
 PT SE  
 EP 608126 P 19951129 EP A3 SEPARATE PUBLICATION OF THE  
 SEARCH REPORT (ART. 93) (GESONDERTE  
 VEROEFFENTLICHUNG DES RECHERCHENBERICHTS  
 (ART. 93))  
 EP 608126 P 19970903 EP 17Q FIRST EXAMINATION REPORT  
 (ERSTER PRUEFUNGSBESCHEID)  
 970722  
 EP 608126 P 19980527 EP AH DIVISIONAL APPLICATION (ART.  
 76) IN: (TEILANMELDUNG (ART. 76) IN:  
 EP 844611 P  
 EP 608126 P 19980527 EP AH DIVISIONAL APPLICATION (ART.  
 76) IN: (TEILANMELDUNG (ART. 76) IN:  
 EP 844612 P  
 EP 608126 P 19980729 EP 18D DEEMED TO BE WITHDRAWN (ALS  
 ZURUECKGENOMMEN GELTEN)  
 980203  
 EP 609013 P 19930121 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 JP 938596 A 19930121  
 EP 609013 P 19930325 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 JP 9392219 A 19930325  
 EP 609013 P 19930409 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 JP 93107423 A 19930409  
 EP 609013 P 19930727 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 JP 93205682 A 19930727  
 EP 609013 P 19931102 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 JP 93297504 A 19931102  
 EP 609013 P 19931119 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 JP 93314114 A 19931119

EP 609013 P 19940119 EP AE EP-APPLICATION  
 (EUROPAEISCHE ANMELDUNG)  
 EP 94300402 A 19940119  
 EP 609013 P 19940803 EP AK DESIGNATED CONTRACTING  
 STATES IN AN APPLICATION WITHOUT SEARCH  
 REPORT: (IN EINER ANMELDUNG OHNE  
 RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)  
 AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
 PT SE  
 EP 609013 P 19940803 EP A2 PUBLICATION OF APPLICATION  
 WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER  
 ANMELDUNG OHNE RECHERCHENBERICHT)  
 EP 609013 P 19940803 EP 17P REQUEST FOR EXAMINATION  
 FILED (PRUEFUNGSANTRAG GESTELLT)  
 940127  
 EP 609013 P 19951129 EP AK DESIGNATED CONTRACTING  
 STATES IN A SEARCH REPORT: (IN EINEM  
 RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)  
 AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
 PT SE  
 EP 609013 P 19951129 EP A3 SEPARATE PUBLICATION OF THE  
 SEARCH REPORT (ART. 93) (GESONDERTE  
 VEROEFFENTLICHUNG DES RECHERCHENBERICHTS  
 (ART. 93))  
 EP 609013 P 19970903 EP 17Q FIRST EXAMINATION REPORT  
 (ERSTER PRUEFUNGSBESCHEID)  
 970722  
 EP 609013 P 19980401 EP AH DIVISIONAL APPLICATION (ART.  
 76) IN: (TEILANMELDUNG (ART. 76) IN:)  
 EP 833319 P  
 EP 609013 P 19981223 EP 18D DEEMED TO BE WITHDRAWN (ALS  
 ZURUECKGENOMMEN GELTEN)  
 980626  
 EP 609617 P 19921201 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 JP 92321063 A 19921201  
 EP 609617 P 19930121 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 JP 938596 A 19930121  
 EP 609617 P 19930727 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 JP 93205682 A 19930727  
 EP 609617 P 19931201 EP AE EP-APPLICATION  
 (EUROPAEISCHE ANMELDUNG)  
 EP 93309619 A 19931201  
 EP 609617 P 19940810 EP AK DESIGNATED CONTRACTING  
 STATES IN AN APPLICATION WITHOUT SEARCH  
 REPORT: (IN EINER ANMELDUNG OHNE  
 RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)  
 BE DE FR GB NL  
 EP 609617 P 19940810 EP A2 PUBLICATION OF APPLICATION  
 WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER  
 ANMELDUNG OHNE RECHERCHENBERICHT)  
 EP 609617 P 19940810 EP 17P REQUEST FOR EXAMINATION  
 FILED (PRUEFUNGSANTRAG GESTELLT)  
 931214  
 EP 609617 P 19961211 EP AK DESIGNATED CONTRACTING  
 STATES IN A SEARCH REPORT: (IN EINEM  
 RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)  
 BE DE FR GB NL  
 EP 609617 P 19961211 EP A3 SEPARATE PUBLICATION OF THE

SEARCH REPORT (ART. 93) (GESONDERTE  
VEROEFFENTLICHUNG DES RECHERCHENBERICHTS  
(ART. 93))

EP 609617 P 19971203 EP 18D DEEMED TO BE WITHDRAWN (ALS  
ZURUECKGENOMMEN GELTEN)  
970612

EP 617531 P 19930325 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9366461 A 19930325  
EP 617531 P 19930510 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 93132984 A 19930510  
EP 617531 P 19930924 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 93261612 A 19930924  
EP 617531 P 19940324 EP AE EP-APPLICATION  
(EUROPAEISCHE ANMELDUNG)  
EP 94302149 A 19940324

EP 617531 P 19940928 EP AK DESIGNATED CONTRACTING  
STATES IN AN APPLICATION WITH SEARCH REPORT:  
(IN EINER ANMELDUNG BENANNTEN VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
PT SE

EP 617531 P 19940928 EP A1 PUBLICATION OF APPLICATION  
WITH SEARCH REPORT (VEROEFFENTLICHUNG DER  
ANMELDUNG MIT RECHERCHENBERICHT)

EP 617531 P 19940928 EP 17P REQUEST FOR EXAMINATION  
FILED (PRUEFUNGSANTRAG GESTELLT)  
940402

EP 617531 P 19970102 EP 17Q FIRST EXAMINATION REPORT  
(ERSTER PRUEFUNGSBESCHEID)  
961115

EP 617531 P 19971217 EP 18D DEEMED TO BE WITHDRAWN (ALS  
ZURUECKGENOMMEN GELTEN)  
970527

EP 637016 P 19930727 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 93205682 A 19930727  
EP 637016 P 19931102 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 93297504 A 19931102  
EP 637016 P 19931119 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 93314114 A 19931119  
EP 637016 P 19940418 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 94104879 A 19940418  
EP 637016 P 19940707 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 94156089 A 19940707  
EP 637016 P 19940727 EP AE EP-APPLICATION  
(EUROPAEISCHE ANMELDUNG)  
EP 94305557 A 19940727

EP 637016 P 19950201 EP AK DESIGNATED CONTRACTING  
STATES IN AN APPLICATION WITHOUT SEARCH  
REPORT: (IN EINER ANMELDUNG OHNE  
RECHERCHENBERICHT BENANNTEN VERTRAGSSTAATEN)

BE CH DE FR GB IT LI NL

EP 637016 P 19950201 EP A2 PUBLICATION OF APPLICATION  
 WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER  
 ANMELDUNG OHNE RECHERCHENBERICHT)  
 EP 637016 P 19950201 EP 17P REQUEST FOR EXAMINATION  
 FILED (PRUEFUNGSANTRAG GESTELLT)  
 940805  
 EP 637016 P 19950830 EP AK DESIGNATED CONTRACTING  
 STATES IN A SEARCH REPORT: (IN EINEM  
 RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)  
 BE CH DE FR GB IT LI NL  
 EP 637016 P 19950830 EP A3 SEPARATE PUBLICATION OF THE  
 SEARCH REPORT (ART. 93) (GESONDERTE  
 VEROEFFENTLICHUNG DES RECHERCHENBERICHTS  
 (ART. 93))  
 EP 637016 P 19980408 EP 17Q FIRST EXAMINATION REPORT  
 (ERSTER PRUEFUNGSBESCHEID)  
 980220  
 EP 637016 P 20000913 EP RAHF DIVISIONAL APPLICATION (ART.  
 76) IN: (CORRECTION) (TEILANMELDUNG (ART.  
 76) IN: (KORR.))  
 EP 2000115017 A 20000724  
 EP 637016 P 20001108 EP AH DIVISIONAL APPLICATION (ART.  
 76) IN: (TEILANMELDUNG (ART. 76) IN:)  
 EP 1050879 P  
 EP 689200 P 19931228 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 JP 93335165 A 19931228  
 EP 689200 P 19940120 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 JP 9422191 A 19940120  
 EP 689200 P 19940418 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 JP 94104879 A 19940418  
 EP 689200 P 19940707 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 JP 94156089 A 19940707  
 EP 689200 P 19941202 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 JP 94299508 A 19941202  
 EP 689200 P 19941228 EP AA PCT-APPLICATION  
 (PCT-ANMELDUNG)  
 WO 94JP2304 W 19941228  
 EP 689200 P 19941228 EP AE EP-APPLICATION  
 (EUROPAEISCHE ANMELDUNG)  
 EP 95904033 A 19941228  
 EP 689200 P 19951227 EP AK DESIGNATED CONTRACTING  
 STATES IN AN APPLICATION WITH SEARCH REPORT:  
 (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN)  
 DE FR GB IT  
 EP 689200 P 19951227 EP A1 PUBLICATION OF APPLICATION  
 WITH SEARCH REPORT (VEROEFFENTLICHUNG DER  
 ANMELDUNG MIT RECHERCHENBERICHT)  
 EP 689200 P 19960207 EP 17P REQUEST FOR EXAMINATION  
 FILED (PRUEFUNGSANTRAG GESTELLT)  
 951213  
 EP 689200 P 19960529 EP AK DESIGNATED CONTRACTING  
 STATES MENTIONED IN A SUPPLEMENTARY SEARCH  
 REPORT: (IN EINEM ERGAENZENDEN  
 RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)  
 DE FR GB IT  
 EP 689200 P 19960529 EP A4 SUPPLEMENTARY SEARCH REPORT  
 (ERGAENZENDER RECHERCHENBERICHT)

EP 689200 P 19960605 EP K1C1 CORRECTION OF PATENT  
 APPLICATION (TITLE PAGE) PUBLISHED  
 (BERICHTIGUNG DER PATENTANMELDUNG  
 (TITELSEITE) ERSCHIENEN)  
 951227

EP 689200 P 19960605 EP RAP1 APPLICANT (CORRECTION)  
 (ANMELDER (KORR.))  
 MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.

EP 689200 P 19990120 EP 17Q FIRST EXAMINATION REPORT  
 (ERSTER PRUEFUNGSBESCHEID)  
 981204

EP 706174 P 19940418 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 706174 P 19941117 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 706174 P 19941228 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 706174 P 19950201 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 706174 P 19950203 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 706174 P 19950418 EP AA PCT-APPLICATION  
 (PCT-ANMELDUNG)

EP 706174 P 19950418 EP AE EP-APPLICATION  
 (EUROPAEISCHE ANMELDUNG)  
 EP 95915345 A 19950418

EP 706174 P 19960410 EP AK DESIGNATED CONTRACTING  
 STATES IN AN APPLICATION WITH SEARCH REPORT:  
 (IN EINER ANMELDUNG BENANNTEN VERTRAGSSTAATEN)

DE FR GB NL  
 EP 706174 P 19960410 EP A1 PUBLICATION OF APPLICATION  
 WITH SEARCH REPORT (VEROEFFENTLICHUNG DER  
 ANMELDUNG MIT RECHERCHENBERICHT)

EP 706174 P 19960410 EP 17P REQUEST FOR EXAMINATION  
 FILED (PRUEFUNGSANTRAG GESTELLT)  
 951114

EP 706174 P 19970702 EP AK DESIGNATED CONTRACTING  
 STATES MENTIONED IN A SUPPLEMENTARY SEARCH  
 REPORT: (IN EINEM ERGAENZENDEN  
 RECHERCHENBERICHT BENANNTEN VERTRAGSSTAATEN)

DE FR GB NL  
 EP 706174 P 19970702 EP A4 SUPPLEMENTARY SEARCH REPORT  
 (ERGAENZENDER RECHERCHENBERICHT)

EP 706174 P 19991215 EP 17Q FIRST EXAMINATION REPORT  
 (ERSTER PRUEFUNGSBESCHEID)  
 19991027

EP 741382 P 19941117 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 741382 P 19950202 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 741382 P 19951009 EP AA PRIORITY (PATENT

APPLICATION) (PRIORITY (PATENTANMELDUNG))

EP 741382	P	JP 95261247 A 19951009 19951116 EP AA PCT-APPLICATION (PCT-ANMELDUNG)
EP 741382	P	WO 95JP2339 W 19951116 19951116 EP AE EP-APPLICATION (EUROPÄISCHE ANMELDUNG)
EP 741382	P	EP 95938017 A 19951116 19961106 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNTEN VERTRAGSSTAATEN)
EP 741382	P	DE FR GB 19961106 EP A1 PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)
EP 741382	P	19970108 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 961112
EP 741382	P	19970702 EP AK DESIGNATED CONTRACTING STATES MENTIONED IN A SUPPLEMENTARY SEARCH REPORT: (IN EINEM ERGÄNZENDEN RECHERCHENBERICHT BENANNTEN VERTRAGSSTAATEN)
EP 741382	P	DE FR GB 19970702 EP A4 SUPPLEMENTARY SEARCH REPORT (ERGÄNZENDER RECHERCHENBERICHT)
EP 741382	P	19990922 EP 17Q FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID) 19990804
EP 766478	P	19910327 EP AA PRIORITY (PATENT APPLICATION) (PRIORITY (PATENTANMELDUNG))
EP 766478	P	JP 9162798 A 19910327 19910425 EP AA PRIORITY (PATENT APPLICATION) (PRIORITY (PATENTANMELDUNG))
EP 766478	P	JP 9195813 A 19910425 19910529 EP AA PRIORITY (PATENT APPLICATION) (PRIORITY (PATENTANMELDUNG))
EP 766478	P	JP 91155650 A 19910529 19910723 EP AA PRIORITY (PATENT APPLICATION) (PRIORITY (PATENTANMELDUNG))
EP 766478	P	JP 91182236 A 19910723 19920317 EP AA PRIORITY (PATENT APPLICATION) (PRIORITY (PATENTANMELDUNG))
EP 766478	P	JP 9260739 A 19920317 19920326 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS) EP 92302627 A3 19920326
EP 766478	P	19920326 EP AE EP-APPLICATION (EUROPÄISCHE ANMELDUNG)
EP 766478	P	EP 96119060 A 19920326 19970402 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 506400 P
EP 766478	P	19970402 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTEN VERTRAGSSTAATEN)
EP 766478	P	DE FR GB NL 19970402 EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER

ANMELDUNG OHNE RECHERCHENBERICHT)

EP 766478 P 19991124 EP RAHF DIVISIONAL APPLICATION (ART.  
76) IN: (CORRECTION) (TEILANMELDUNG (ART.  
76) IN: (KORR.))  
EP 99119266 A 19990928

EP 766478 P 19991124 EP RAHF DIVISIONAL APPLICATION (ART.  
76) IN: (CORRECTION) (TEILANMELDUNG (ART.  
76) IN: (KORR.))  
EP 99119278 A 19990928

EP 766478 P 19991215 EP RAHF DIVISIONAL APPLICATION (ART.  
76) IN: (CORRECTION) (TEILANMELDUNG (ART.  
76) IN: (KORR.))  
EP 99119266 A 19990928

EP 766478 P 19991215 EP RAHF DIVISIONAL APPLICATION (ART.  
76) IN: (CORRECTION) (TEILANMELDUNG (ART.  
76) IN: (KORR.))  
EP 99119278 A 19990928

EP 766478 P 19991215 EP RAHF DIVISIONAL APPLICATION (ART.  
76) IN: (CORRECTION) (TEILANMELDUNG (ART.  
76) IN: (KORR.))  
EP 99121006 A 19991021

EP 766478 P 19991215 EP RAHF DIVISIONAL APPLICATION (ART.  
76) IN: (CORRECTION) (TEILANMELDUNG (ART.  
76) IN: (KORR.))  
EP 99121007 A 19991021

EP 766478 P 19991215 EP RAHF DIVISIONAL APPLICATION (ART.  
76) IN: (CORRECTION) (TEILANMELDUNG (ART.  
76) IN: (KORR.))  
EP 99121008 A 19991021

EP 766478 P 19991215 EP RAHF DIVISIONAL APPLICATION (ART.  
76) IN: (CORRECTION) (TEILANMELDUNG (ART.  
76) IN: (KORR.))  
EP 99121024 A 19991021

EP 766478 P 19991215 EP RAHF DIVISIONAL APPLICATION (ART.  
76) IN: (CORRECTION) (TEILANMELDUNG (ART.  
76) IN: (KORR.))  
EP 99121025 A 19991021

EP 766478 P 20000119 EP AH DIVISIONAL APPLICATION (ART.  
76) IN: (TEILANMELDUNG (ART. 76) IN:)  
EP 973335 P

EP 766478 P 20000119 EP AK DESIGNATED CONTRACTING  
STATES IN A SEARCH REPORT: (IN EINEM  
RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

DE FR GB NL

EP 766478 P 20000119 EP A3 SEPARATE PUBLICATION OF THE  
SEARCH REPORT (ART. 93) (GESONDERTE  
VEROEFFENTLICHUNG DES RECHERCHENBERICHTS  
(ART. 93))

EP 766478 P 20000126 EP AH DIVISIONAL APPLICATION (ART.  
76) IN: (TEILANMELDUNG (ART. 76) IN:)  
EP 975168 P

EP 766478 P 20000126 EP AH DIVISIONAL APPLICATION (ART.  
76) IN: (TEILANMELDUNG (ART. 76) IN:)  
EP 975169 P

EP 766478 P 20000126 EP AH DIVISIONAL APPLICATION (ART.  
76) IN: (TEILANMELDUNG (ART. 76) IN:)  
EP 975170 P

EP 766478 P 20000126 EP AH DIVISIONAL APPLICATION (ART.  
76) IN: (TEILANMELDUNG (ART. 76) IN:)  
EP 975171 P

EP 766478 P 20000126 EP AH DIVISIONAL APPLICATION (ART.  
76) IN: (TEILANMELDUNG (ART. 76) IN:)  
EP 975172 P

EP 766478 P 20000126 EP AH DIVISIONAL APPLICATION (ART.  
               76) IN: (TEILANMELDUNG (ART. 76) IN:  
               EP 975173 P  
 EP 766478 P 20000126 EP AH DIVISIONAL APPLICATION (ART.  
               76) IN: (TEILANMELDUNG (ART. 76) IN:  
               EP 975174 P  
 EP 766478 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART.  
               76) IN: (CORRECTION) (TEILANMELDUNG (ART.  
               76) IN: (KORR.))  
               975168  
               EP 99119266 A 19990928  
 EP 766478 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART.  
               76) IN: (CORRECTION) (TEILANMELDUNG (ART.  
               76) IN: (KORR.))  
               973335  
               EP 99119278 A 19990928  
 EP 766478 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART.  
               76) IN: (CORRECTION) (TEILANMELDUNG (ART.  
               76) IN: (KORR.))  
               975169  
               EP 99121006 A 19991021  
 EP 766478 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART.  
               76) IN: (CORRECTION) (TEILANMELDUNG (ART.  
               76) IN: (KORR.))  
               975170  
               EP 99121007 A 19991021  
 EP 766478 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART.  
               76) IN: (CORRECTION) (TEILANMELDUNG (ART.  
               76) IN: (KORR.))  
               975171  
               EP 99121008 A 19991021  
 EP 766478 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART.  
               76) IN: (CORRECTION) (TEILANMELDUNG (ART.  
               76) IN: (KORR.))  
               975172  
               EP 99121024 A 19991021  
 EP 766478 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART.  
               76) IN: (CORRECTION) (TEILANMELDUNG (ART.  
               76) IN: (KORR.))  
               975173  
               EP 99121025 A 19991021  
 EP 766478 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART.  
               76) IN: (CORRECTION) (TEILANMELDUNG (ART.  
               76) IN: (KORR.))  
               975174  
               EP 99121026 A 19991021  
 EP 766478 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART.  
               76) IN: (CORRECTION) (TEILANMELDUNG (ART.  
               76) IN: (KORR.))  
               EP 2000114691 A 20000708  
 EP 766478 P 20000913 EP 17P REQUEST FOR EXAMINATION  
               FILED (PRUEFUNGSANTRAG GESTELLT)  
               20000719  
 EP 766478 P 20001102 EP AH DIVISIONAL APPLICATION (ART.  
               76) IN: (TEILANMELDUNG (ART. 76) IN:  
               EP 1049334 P  
 EP 802527 P 19951009 EP AA PRIORITY (PATENT  
               APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
               JP 95261247 A 19951009  
 EP 802527 P 19960123 EP AA PRIORITY (PATENT  
               APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
               JP 968910 A 19960123  
 EP 802527 P 19960809 EP AA PRIORITY (PATENT  
               APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
               JP 96211304 A 19960809

EP 802527 P 19961008 EP AA PCT-APPLICATION  
 (PCT-ANMELDUNG)  
 WO 96JP2924 W 19961008  
 EP 802527 P 19961008 EP AE EP-APPLICATION  
 (EUROPÄISCHE ANMELDUNG)  
 EP 96932845 A 19961008  
 EP 802527 P 19971022 EP AK DESIGNATED CONTRACTING  
 STATES IN AN APPLICATION WITH SEARCH REPORT:  
 (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN)

DE FR GB

EP 802527 P 19971022 EP A1 PUBLICATION OF APPLICATION  
 WITH SEARCH REPORT (VEROEFFENTLICHUNG DER  
 ANMELDUNG MIT RECHERCHENBERICHT)  
 EP 802527 P 19971022 EP 17P REQUEST FOR EXAMINATION  
 FILED (PRUEFUNGSANTRAG GESTELLT)  
 970707

EP 802527 P 20000531 EP AH DIVISIONAL APPLICATION (ART.  
 76) IN: (TEILANMELDUNG (ART. 76) IN:)  
 EP 1005023 P

EP 802527 P 20000531 EP AH DIVISIONAL APPLICATION (ART.  
 76) IN: (TEILANMELDUNG (ART. 76) IN:)  
 EP 1005024 P

EP 802527 P 20000531 EP AH DIVISIONAL APPLICATION (ART.  
 76) IN: (TEILANMELDUNG (ART. 76) IN:)  
 EP 1005025 P

EP 802527 P 20000531 EP AH DIVISIONAL APPLICATION (ART.  
 76) IN: (TEILANMELDUNG (ART. 76) IN:)  
 EP 1005026 P

EP 802527 P 20000531 EP AH DIVISIONAL APPLICATION (ART.  
 76) IN: (TEILANMELDUNG (ART. 76) IN:)  
 EP 1005027 P

EP 802527 P 20000531 EP AH DIVISIONAL APPLICATION (ART.  
 76) IN: (TEILANMELDUNG (ART. 76) IN:)  
 EP 1005028 P

EP 802527 P 20000614 EP 17Q FIRST EXAMINATION REPORT  
 (ERSTER PRUEFUNGSBESCHEID)  
 20000427

EP 802527 P 20000802 EP AH DIVISIONAL APPLICATION (ART.  
 76) IN: (TEILANMELDUNG (ART. 76) IN:)  
 EP 1024478 P

EP 807929 P 19951009 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 807929 P 19960123 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 807929 P 19960515 EP AA PCT-APPLICATION  
 (PCT-ANMELDUNG)  
 WO 96JP1303 W 19960515

EP 807929 P 19960515 EP AE EP-APPLICATION  
 (EUROPÄISCHE ANMELDUNG)  
 EP 96915172 A 19960515

EP 807929 P 19971119 EP AK DESIGNATED CONTRACTING  
 STATES IN AN APPLICATION WITH SEARCH REPORT:  
 (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN)

DE FR GB

EP 807929 P 19971119 EP A1 PUBLICATION OF APPLICATION  
 WITH SEARCH REPORT (VEROEFFENTLICHUNG DER  
 ANMELDUNG MIT RECHERCHENBERICHT)

EP 807929 P 19971119 EP 17P REQUEST FOR EXAMINATION  
 FILED (PRUEFUNGSANTRAG GESTELLT)  
 970918

EP 807929 P 19971210 EP AK DESIGNATED CONTRACTING  
 STATES MENTIONED IN A SUPPLEMENTARY SEARCH

REPORT: (IN EINEM ERGAENZENDEN  
RECHERCHENBERICHT BENANNTEN VERTRAGSSTAATEN)

DE FR GB

EP 807929 P 19990922 EP 17Q FIRST EXAMINATION REPORT  
(ERSTER PRUEFUNGSBESCHEID)  
19990804

EP 807929 P 20000412 EP RAHF DIVISIONAL APPLICATION (ART.  
76) IN: (CORRECTION) (TEILANMELDUNG (ART. )  
76) IN: (KORR.))  
EP 2000101774 A 20000128

EP 807929 P 20000412 EP RAHF DIVISIONAL APPLICATION (ART.  
76) IN: (CORRECTION) (TEILANMELDUNG (ART.  
76) IN: (KORR.))  
EP 2000101775 A 20000128

EP 807929 P 20000412 EP RAHF DIVISIONAL APPLICATION (ART.  
76) IN: (CORRECTION) (TEILANMELDUNG (ART.  
76) IN: (KORR.))  
EP 2000103257 A 20000217

EP 807929 P 20000503 EP RAHF DIVISIONAL APPLICATION (ART.  
76) IN: (CORRECTION) (TEILANMELDUNG (ART.  
76) IN: (KORR.))  
EP 2000101774 A 20000128

EP 807929 P 20000503 EP RAHF DIVISIONAL APPLICATION (ART.  
76) IN: (CORRECTION) (TEILANMELDUNG (ART.  
76) IN: (KORR.))  
EP 2000101775 A 20000128

EP 807929 P 20000503 EP RAHF DIVISIONAL APPLICATION (ART.  
76) IN: (CORRECTION) (TEILANMELDUNG (ART.  
76) IN: (KORR.))  
EP 2000103257 A 20000217

EP 807929 P 20000503 EP RAHF DIVISIONAL APPLICATION (ART.  
76) IN: (CORRECTION) (TEILANMELDUNG (ART.  
76) IN: (KORR.))  
EP 2000104818 A 20000306

EP 807929 P 20000503 EP RAHF DIVISIONAL APPLICATION (ART.  
76) IN: (CORRECTION) (TEILANMELDUNG (ART.  
76) IN: (KORR.))  
EP 2000105014 A 20000309

EP 807929 P 20000517 EP RAHF DIVISIONAL APPLICATION (ART.  
76) IN: (CORRECTION) (TEILANMELDUNG (ART.  
76) IN: (KORR.))  
EP 2000101774 A 20000128

EP 807929 P 20000517 EP RAHF DIVISIONAL APPLICATION (ART.  
76) IN: (CORRECTION) (TEILANMELDUNG (ART.  
76) IN: (KORR.))  
EP 2000101775 A 20000128

EP 807929 P 20000517 EP RAHF DIVISIONAL APPLICATION (ART.  
76) IN: (CORRECTION) (TEILANMELDUNG (ART.  
76) IN: (KORR.))  
EP 2000103257 A 20000217

EP 807929 P 20000517 EP RAHF DIVISIONAL APPLICATION (ART.  
76) IN: (CORRECTION) (TEILANMELDUNG (ART.  
76) IN: (KORR.))  
EP 2000104818 A 20000306

EP 807929 P 20000517 EP RAHF DIVISIONAL APPLICATION (ART.  
76) IN: (CORRECTION) (TEILANMELDUNG (ART.  
76) IN: (KORR.))  
EP 2000105014 A 20000309

EP 807929 P 20000517 EP RAHF DIVISIONAL APPLICATION (ART.  
76) IN: (CORRECTION) (TEILANMELDUNG (ART.  
76) IN: (KORR.))  
EP 2000106447 A 20000324

EP 807929 P 20000524 EP AH DIVISIONAL APPLICATION (ART.  
76) IN: (TEILANMELDUNG (ART. 76) IN:)  
EP 1003162 P

EP 807929 P 20000531 EP AH DIVISIONAL APPLICATION (ART.  
76) IN: (TEILANMELDUNG (ART. 76) IN:)

EP 807929 P EP 1005033 P DIVISIONAL APPLICATION (ART.  
76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 1005034 P  
EP 807929 P 20000531 EP AH DIVISIONAL APPLICATION (ART.  
76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 1005035 P  
EP 807929 P 20000607 EP AH DIVISIONAL APPLICATION (ART.  
76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 1006516 P  
EP 807929 P 20000607 EP AH DIVISIONAL APPLICATION (ART.  
76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 1006517 P  
EP 807929 P 20000705 EP RAHF DIVISIONAL APPLICATION (ART.  
76) IN: (CORRECTION) (TEILANMELDUNG (ART.  
76) IN: (KORR.)) 1005033  
EP 2000101774 A 20000128  
EP 807929 P 20000705 EP RAHF DIVISIONAL APPLICATION (ART.  
76) IN: (CORRECTION) (TEILANMELDUNG (ART.  
76) IN: (KORR.)) 1005034  
EP 2000101775 A 20000128  
EP 807929 P 20000705 EP RAHF DIVISIONAL APPLICATION (ART.  
76) IN: (CORRECTION) (TEILANMELDUNG (ART.  
76) IN: (KORR.)) 1003162  
EP 2000103257 A 20000217  
EP 807929 P 20000705 EP RAHF DIVISIONAL APPLICATION (ART.  
76) IN: (CORRECTION) (TEILANMELDUNG (ART.  
76) IN: (KORR.)) 1005035  
EP 2000104818 A 20000306  
EP 807929 P 20000705 EP RAHF DIVISIONAL APPLICATION (ART.  
76) IN: (CORRECTION) (TEILANMELDUNG (ART.  
76) IN: (KORR.)) 1006516  
EP 2000105014 A 20000309  
EP 807929 P 20000705 EP RAHF DIVISIONAL APPLICATION (ART.  
76) IN: (CORRECTION) (TEILANMELDUNG (ART.  
76) IN: (KORR.)) 1006517  
EP 2000106447 A 20000324  
EP 807929 P 20000705 EP RAHF DIVISIONAL APPLICATION (ART.  
76) IN: (CORRECTION) (TEILANMELDUNG (ART.  
76) IN: (KORR.)) EP 2000109898 A 20000510  
EP 807929 P 20000705 EP RAHF DIVISIONAL APPLICATION (ART.  
76) IN: (CORRECTION) (TEILANMELDUNG (ART.  
76) IN: (KORR.)) EP 2000109899 A 20000510  
EP 807929 P 20000705 EP RAHF DIVISIONAL APPLICATION (ART.  
76) IN: (CORRECTION) (TEILANMELDUNG (ART.  
76) IN: (KORR.)) EP 2000110461 A 20000516  
EP 807929 P 20000802 EP RAHF DIVISIONAL APPLICATION (ART.  
76) IN: (CORRECTION) (TEILANMELDUNG (ART.  
76) IN: (KORR.)) 1005033  
EP 2000101774 A 20000128  
EP 807929 P 20000802 EP RAHF DIVISIONAL APPLICATION (ART.  
76) IN: (CORRECTION) (TEILANMELDUNG (ART.  
76) IN: (KORR.)) 1005034  
EP 2000101775 A 20000128  
EP 807929 P 20000802 EP RAHF DIVISIONAL APPLICATION (ART.  
76) IN: (CORRECTION) (TEILANMELDUNG (ART.  
76) IN: (KORR.))

1003162  
 EP 2000103257 A 20000217  
 EP 807929 P 20000802 EP RAHF DIVISIONAL APPLICATION (ART.  
 76) IN: (CORRECTION) (TEILANMELDUNG (ART.  
 76) IN: (KORR.))  
 1005035  
 EP 2000104818 A 20000306  
 EP 807929 P 20000802 EP RAHF DIVISIONAL APPLICATION (ART.  
 76) IN: (CORRECTION) (TEILANMELDUNG (ART.  
 76) IN: (KORR.))  
 1006516  
 EP 2000105014 A 20000309  
 EP 807929 P 20000802 EP RAHF DIVISIONAL APPLICATION (ART.  
 76) IN: (CORRECTION) (TEILANMELDUNG (ART.  
 76) IN: (KORR.))  
 1006517  
 EP 2000106447 A 20000324  
 EP 807929 P 20000802 EP RAHF DIVISIONAL APPLICATION (ART.  
 76) IN: (CORRECTION) (TEILANMELDUNG (ART.  
 76) IN: (KORR.))  
 EP 2000109898 A 20000510  
 EP 807929 P 20000802 EP RAHF DIVISIONAL APPLICATION (ART.  
 76) IN: (CORRECTION) (TEILANMELDUNG (ART.  
 76) IN: (KORR.))  
 EP 2000109899 A 20000510  
 EP 807929 P 20000802 EP RAHF DIVISIONAL APPLICATION (ART.  
 76) IN: (CORRECTION) (TEILANMELDUNG (ART.  
 76) IN: (KORR.))  
 EP 2000110461 A 20000516  
 EP 807929 P 20000802 EP RAHF DIVISIONAL APPLICATION (ART.  
 76) IN: (CORRECTION) (TEILANMELDUNG (ART.  
 76) IN: (KORR.))  
 EP 2000112310 A 20000608  
 EP 807929 P 20000816 EP AH DIVISIONAL APPLICATION (ART.  
 76) IN: (TEILANMELDUNG (ART. 76) IN:)  
 EP 1028422 P  
 EP 807929 P 20000816 EP AH DIVISIONAL APPLICATION (ART.  
 76) IN: (TEILANMELDUNG (ART. 76) IN:)  
 EP 1028423 P  
 EP 807929 P 20000823 EP AH DIVISIONAL APPLICATION (ART.  
 76) IN: (TEILANMELDUNG (ART. 76) IN:)  
 EP 1030297 P  
 EP 807929 P 20000830 EP AH DIVISIONAL APPLICATION (ART.  
 76) IN: (TEILANMELDUNG (ART. 76) IN:)  
 EP 1031974 P  
 EP 807929 P 20000906 EP RIC1 CLASSIFICATION (CORRECTION)  
 (KLASSIFIKATION (KORR.))  
 7G 11B 7/007 A, 7G 11B 7/24 B, 7G 06K 19/00  
 B, 7G 11B 20/10 B, 7G 11B 20/00 B, 7G 06F  
 1/00 B  
 EP 807929 P 20000906 EP RTI1 TITEL (CORRECTION) (TITEL  
 (KORR.))  
 OPTICAL DISK PROVIDED WITH BAR CODE  
 EP 807929 P 20001102 EP AH DIVISIONAL APPLICATION (ART.  
 76) IN: (TEILANMELDUNG (ART. 76) IN:)  
 EP 1003162 P  
 EP 807929 P 20001102 EP AH DIVISIONAL APPLICATION (ART.  
 76) IN: (TEILANMELDUNG (ART. 76) IN:)  
 EP 1005034 P  
 EP 807929 P 20001102 EP AH DIVISIONAL APPLICATION (ART.  
 76) IN: (TEILANMELDUNG (ART. 76) IN:)  
 EP 1005035 P  
 EP 833319 P 19930121 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 JP 938596 A 19930121  
 EP 833319 P 19930325 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 833319 P JP 9392219 A 19930325  
 19930409 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 EP 833319 P JP 93107423 A 19930409  
 19930727 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 EP 833319 P JP 93205682 A 19930727  
 19931102 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 EP 833319 P JP 93297504 A 19931102  
 19931119 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 EP 833319 P JP 93314114 A 19931119  
 19940119 EP AA DIVIDED OUT OF  
 (AUSSCHEIDUNG AUS)  
 EP 94300402 A3 19940119  
 EP 833319 P 19940119 EP AE EP-APPLICATION  
 (EUROPAEISCHE ANMELDUNG)  
 EP 97118775 A 19940119  
 EP 833319 P 19980401 EP AC DIVISIONAL APPLICATION (ART.  
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
 EP 609013 P  
 EP 833319 P 19980401 EP AK DESIGNATED CONTRACTING  
 STATES IN AN APPLICATION WITHOUT SEARCH  
 REPORT: (IN EINER ANMELDUNG OHNE  
 RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)  
 AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
 PT SE  
 EP 833319 P 19980401 EP A2 PUBLICATION OF APPLICATION  
 WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER  
 ANMELDUNG OHNE RECHERCHENBERICHT)  
 EP 833319 P 19980401 EP 17P REQUEST FOR EXAMINATION  
 FILED (PRUEFUNGSANTRAG GESTELLT)  
 971029  
 EP 833319 P 19980429 EP RIN1 INVENTOR (CORRECTION)  
 (ERFINDER (KORR.))  
 OSHIMA, MITSUAKI ; SHIMIZU, RYOSUKE ; KOUDO,  
 TOSHIKAZU ; YOSHIURA, TSUKASA ; MATSUURA,  
 TAKUMI ; TANAKA, MITIRO ; TAN, SATOSHI  
 EP 844611 P 19930121 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 EP 844611 P JP 938596 A 19930121  
 19930325 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 EP 844611 P JP 9392219 A 19930325  
 19930409 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 JP 93107423 A 19930409  
 EP 844611 P 19930727 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 EP 844611 P JP 93205682 A 19930727  
 19931102 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 EP 844611 P JP 93297504 A 19931102  
 19931119 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 JP 93314114 A 19931119

EP 844611	P	19940119 EP AA	DIVIDED OUT OF (AUSSCHEIDUNG AUS)
EP 844611	P	19940119 EP AE	EP-APPLICATION (EUROPÄISCHE ANMELDUNG)
EP 844611	P	19980527 EP AC	DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
EP 844611	P	19980527 EP AK	DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)
			AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
EP 844611	P	19980527 EP A2	PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)
EP 844611	P	19980527 EP 17P	REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 980114
EP 844612	P	19930121 EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 844612	P	19930325 EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 844612	P	19930409 EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 844612	P	19930727 EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 844612	P	19931102 EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 844612	P	19931119 EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 844612	P	19940119 EP AA	DIVIDED OUT OF (AUSSCHEIDUNG AUS)
EP 844612	P	19940119 EP AE	EP-APPLICATION (EUROPÄISCHE ANMELDUNG)
EP 844612	P	19980527 EP AC	DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
EP 844612	P	19980527 EP AK	DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)
			AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
EP 844612	P	19980527 EP A2	PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)
EP 844612	P	19980527 EP 17P	REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 980114

EP 971345 P 19961219 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 EP 971345 P 19970122 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 JP 96339304 A 19961219  
 JP 979318 A 19970122  
 EP 971345 P 19970924 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 EP 971345 P 19971217 EP AA PCT-APPLICATION (PCT-ANMELDUNG)  
 WO 97JP4664 W 19971217  
 EP 971345 P 19971217 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG)  
 EP 97949124 A 19971217  
 EP 971345 P 20000112 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNTEN VERTRAGSSTAATEN)  
 DE FR GB IT NL  
 EP 971345 P 20000112 EP A1 PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)  
 EP 971345 P 20000112 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)  
 19990719  
 EP 973335 P 19910327 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 EP 973335 P 19910425 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 JP 9162798 A 19910327  
 EP 973335 P 19910529 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 JP 9195813 A 19910425  
 EP 973335 P 19910723 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 JP 91155650 A 19910529  
 EP 973335 P 19910723 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 JP 91182236 A 19910723  
 EP 973335 P 19920326 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS)  
 EP 92302627 A3 19920326  
 EP 973335 P 19920326 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS)  
 EP 96119060 A3 19920326  
 EP 973335 P 19920326 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG)  
 EP 99119278 A 19920326  
 EP 973335 P 20000119 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
 EP 506400 P  
 EP 973335 P 20000119 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
 EP 766478 P  
 EP 973335 P 20000119 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNTEN VERTRAGSSTAATEN)  
 DE FR GB NL  
 EP 973335 P 20000119 EP A1 PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)  
 EP 973335 P 20000119 EP 17P REQUEST FOR EXAMINATION

FILED (PRUEFUNGSANTRAG GESTELLT)  
 19991015  
 EP 973335 P 20001004 EP AKX PAYMENT OF DESIGNATION FEES  
 (NL: KORREKTUREN (TEIL 1 RUBRIK G))  
 DE FR GB NL  
 EP 973335 P 20001115 EP K1C3 CORRECTION OF PATENT  
 APPLICATION (COMPLETE REPRINT) PUBLISHED  
 (BERICHTIGUNG DER PATENTANMELDUNG  
 (KOMPLETTNEUDRUCK) ERSCHIENEN)  
 20000119  
 EP 973335 P 20001206 EP RPR1 PRIORITY (CORRECTION)  
 (PRIORITAET (KORR.))  
 JP 19910327 6279891 ; JP 19910425 9581391 ;  
 JP 19910529 15565091 ; JP 19910723 18223691 ;  
 JP 19920317 6073992  
 EP 975168 P 19910327 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 JP 9162798 A 19910327  
 EP 975168 P 19910425 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 JP 9195813 A 19910425  
 EP 975168 P 19910529 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 JP 91155650 A 19910529  
 EP 975168 P 19910723 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 JP 91182236 A 19910723  
 EP 975168 P 19920317 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 JP 9260739 A 19920317  
 EP 975168 P 19920326 EP AA DIVIDED OUT OF  
 (AUSSCHEIDUNG AUS)  
 EP 92302627 A3 19920326  
 EP 975168 P 19920326 EP AA DIVIDED OUT OF  
 (AUSSCHEIDUNG AUS)  
 EP 96119060 A3 19920326  
 EP 975168 P 19920326 EP AE EP-APPLICATION  
 (EUROPÆISCHE ANMELDUNG)  
 EP 99119266 A 19920326  
 EP 975168 P 20000126 EP AC DIVISIONAL APPLICATION (ART.  
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
 EP 506400 P  
 EP 975168 P 20000126 EP AC DIVISIONAL APPLICATION (ART.  
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
 EP 766478 P  
 EP 975168 P 20000126 EP AK DESIGNATED CONTRACTING  
 STATES IN AN APPLICATION WITH SEARCH REPORT:  
 (IN EINER ANMELDUNG BENANNTEN VERTRAGSSTAATEN)  
 DE FR GB NL  
 EP 975168 P 20000126 EP A1 PUBLICATION OF APPLICATION  
 WITH SEARCH REPORT (VEROEFFENTLICHUNG DER  
 ANMELDUNG MIT RECHERCHENBERICHT)  
 EP 975168 P 20000126 EP 17P REQUEST FOR EXAMINATION  
 FILED (PRUEFUNGSANTRAG GESTELLT)  
 19991022  
 EP 975168 P 20001011 EP AKX PAYMENT OF DESIGNATION FEES  
 (NL: KORREKTUREN (TEIL 1 RUBRIK G))  
 DE FR GB NL  
 EP 975168 P 20001115 EP K1C3 CORRECTION OF PATENT  
 APPLICATION (COMPLETE REPRINT) PUBLISHED  
 (BERICHTIGUNG DER PATENTANMELDUNG  
 (KOMPLETTNEUDRUCK) ERSCHIENEN)  
 20000126

EP 975169 P 19910327 EP AA PRIORITY (PATENT  
                   APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 EP 975169 P 19910425 EP AA PRIORITY (PATENT  
                   APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
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                   APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 EP 975169 P 19910723 EP AA PRIORITY (PATENT  
                   APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 EP 975169 P 19920317 EP AA PRIORITY (PATENT  
                   APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 EP 975169 P 19920326 EP AA DIVIDED OUT OF  
                   (AUSSCHEIDUNG AUS)  
 EP 975169 P 19920326 EP AA DIVIDED OUT OF  
                   (AUSSCHEIDUNG AUS)  
 EP 975169 P 19920326 EP AE EP-APPLICATION  
                   (EUROPAEISCHE ANMELDUNG)  
 EP 975169 P 20000126 EP AC DIVISIONAL APPLICATION (ART.  
                   76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
 EP 975169 P 20000126 EP AC DIVISIONAL APPLICATION (ART.  
                   76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
 EP 975169 P 20000126 EP AK DESIGNATED CONTRACTING  
                   STATES IN AN APPLICATION WITH SEARCH REPORT:  
                   (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN)  
 EP 975169 P 20000126 EP A1 PUBLICATION OF APPLICATION  
                   WITH SEARCH REPORT (VEROEFFENTLICHUNG DER  
                   ANMELDUNG MIT RECHERCHENBERICHT)  
 EP 975169 P 20000126 EP 17P REQUEST FOR EXAMINATION  
                   FILED (PRUEFUNGSANTRAG GESTELLT)  
 EP 975169 P 20001011 EP AKX PAYMENT OF DESIGNATION FEES  
                   (NL: KORREKTUREN (TEIL 1 RUBRIK G))  
 DE FR GB NL  
 EP 975170 P 19910327 EP AA PRIORITY (PATENT  
                   APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 EP 975170 P 19910425 EP AA PRIORITY (PATENT  
                   APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 EP 975170 P 19910529 EP AA PRIORITY (PATENT  
                   APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 EP 975170 P 19910723 EP AA PRIORITY (PATENT  
                   APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 EP 975170 P 19920317 EP AA PRIORITY (PATENT  
                   APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 975170 P JP 9260739 A 19920317  
 19920326 EP AA DIVIDED OUT OF  
 (AUSSCHEIDUNG AUS)  
 EP 92302627 A3 19920326  
 EP 975170 P 19920326 EP AA DIVIDED OUT OF  
 (AUSSCHEIDUNG AUS)  
 EP 96119060 A3 19920326  
 EP 975170 P 19920326 EP AE EP-APPLICATION  
 (EUROPÄISCHE ANMELDUNG)  
 EP 99121007 A 19920326  
 EP 975170 P 20000126 EP AC DIVISIONAL APPLICATION (ART.  
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
 EP 506400 P  
 EP 975170 P 20000126 EP AC DIVISIONAL APPLICATION (ART.  
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
 EP 766478 P  
 EP 975170 P 20000126 EP AK DESIGNATED CONTRACTING  
 STATES IN AN APPLICATION WITH SEARCH REPORT:  
 (IN EINER ANMELDUNG BENANNTEN VERTRAGSSTAATEN)  
  
 DE FR GB NL  
 EP 975170 P 20000126 EP A1 PUBLICATION OF APPLICATION  
 WITH SEARCH REPORT (VEROEFFENTLICHUNG DER  
 ANMELDUNG MIT RECHERCHENBERICHT)  
 EP 975170 P 20000126 EP 17P REQUEST FOR EXAMINATION  
 FILED (PRUEFUNGSANTRAG GESTELLT)  
 19991021  
 EP 975170 P 20001011 EP AKX PAYMENT OF DESIGNATION FEES  
 (NL: KORREKTUREN (TEIL 1 RUBRIK G))  
 DE FR GB NL  
 EP 975171 P 19910327 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
  
 JP 9162798 A 19910327  
 EP 975171 P 19910425 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
  
 JP 9195813 A 19910425  
 EP 975171 P 19910529 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
  
 JP 91155650 A 19910529  
 EP 975171 P 19910723 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
  
 JP 91182236 A 19910723  
 EP 975171 P 19920317 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
  
 JP 9260739 A 19920317  
 EP 975171 P 19920326 EP AA DIVIDED OUT OF  
 (AUSSCHEIDUNG AUS)  
 EP 92302627 A3 19920326  
 EP 975171 P 19920326 EP AA DIVIDED OUT OF  
 (AUSSCHEIDUNG AUS)  
 EP 96119060 A3 19920326  
 EP 975171 P 19920326 EP AE EP-APPLICATION  
 (EUROPÄISCHE ANMELDUNG)  
 EP 99121008 A 19920326  
 EP 975171 P 20000126 EP AC DIVISIONAL APPLICATION (ART.  
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
 EP 506400 P  
 EP 975171 P 20000126 EP AC DIVISIONAL APPLICATION (ART.  
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
 EP 766478 P  
 EP 975171 P 20000126 EP AK DESIGNATED CONTRACTING  
 STATES IN AN APPLICATION WITH SEARCH REPORT:  
 (IN EINER ANMELDUNG BENANNTEN VERTRAGSSTAATEN)

DE FR GB NL  
 EP 975171 P 20000126 EP A1 PUBLICATION OF APPLICATION  
 WITH SEARCH REPORT (VEROEFFENTLICHUNG DER  
 ANMELDUNG MIT RECHERCHENBERICHT)  
 EP 975171 P 20000126 EP 17P REQUEST FOR EXAMINATION  
 FILED (PRUEFUNGSANTRAG GESTELLT)  
 19991021  
 EP 975171 P 20001011 EP AKX PAYMENT OF DESIGNATION FEES  
 (NL: KORREKTUREN (TEIL 1 RUBRIK G))  
 DE FR GB NL  
 EP 975172 P 19910327 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
  
 JP 9162798 A 19910327  
 EP 975172 P 19910425 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
  
 JP 9195813 A 19910425  
 EP 975172 P 19910529 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
  
 JP 91155650 A 19910529  
 EP 975172 P 19910723 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
  
 JP 91182236 A 19910723  
 EP 975172 P 19920317 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
  
 JP 9260739 A 19920317  
 EP 975172 P 19920326 EP AA DIVIDED OUT OF  
 (AUSSCHEIDUNG AUS)  
 EP 92302627 A3 19920326  
 EP 975172 P 19920326 EP AA DIVIDED OUT OF  
 (AUSSCHEIDUNG AUS)  
 EP 96119060 A3 19920326  
 EP 975172 P 19920326 EP AE EP-APPLICATION  
 (EUROPAEISCHE ANMELDUNG)  
 EP 99121024 A 19920326  
 EP 975172 P 20000126 EP AC DIVISIONAL APPLICATION (ART.  
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
 EP 506400 P  
 EP 975172 P 20000126 EP AC DIVISIONAL APPLICATION (ART.  
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
 EP 766478 P  
 EP 975172 P 20000126 EP AK DESIGNATED CONTRACTING  
 STATES IN AN APPLICATION WITH SEARCH REPORT:  
 (IN EINER ANMELDUNG BENANNTEN VERTRAGSSTAATEN)  
  
 DE FR GB NL  
 EP 975172 P 20000126 EP A1 PUBLICATION OF APPLICATION  
 WITH SEARCH REPORT (VEROEFFENTLICHUNG DER  
 ANMELDUNG MIT RECHERCHENBERICHT)  
 EP 975172 P 20000301 EP 17P REQUEST FOR EXAMINATION  
 FILED (PRUEFUNGSANTRAG GESTELLT)  
 19991021  
 EP 975172 P 20001011 EP AKX PAYMENT OF DESIGNATION FEES  
 (NL: KORREKTUREN (TEIL 1 RUBRIK G))  
 DE FR GB NL  
 EP 975173 P 19910327 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 JP 9162798 A 19910327  
 EP 975173 P 19910425 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
  
 JP 9195813 A 19910425  
 EP 975173 P 19910529 EP AA PRIORITY (PATENT

APPLICATION) (PRIORITY (PATENTANMELDUNG))

EP 975173 P JP 91155650 A 19910529  
               19910723 EP AA PRIORITY (PATENT  
               APPLICATION) (PRIORITY (PATENTANMELDUNG))

EP 975173 P JP 91182236 A 19910723  
               19920317 EP AA PRIORITY (PATENT  
               APPLICATION) (PRIORITY (PATENTANMELDUNG))

EP 975173 P JP 9260739 A 19920317  
               19920326 EP AA DIVIDED OUT OF  
               (AUSSCHEIDUNG AUS)  
               EP 92302627 A3 19920326

EP 975173 P 19920326 EP AA DIVIDED OUT OF  
               (AUSSCHEIDUNG AUS)  
               EP 96119060 A3 19920326

EP 975173 P 19920326 EP AE EP-APPLICATION  
               (EUROPAEISCHE ANMELDUNG)  
               EP 99121025 A 19920326

EP 975173 P 20000126 EP AC DIVISIONAL APPLICATION (ART.  
               76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
               EP 506400 P

EP 975173 P 20000126 EP AC DIVISIONAL APPLICATION (ART.  
               76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
               EP 766478 P

EP 975173 P 20000126 EP AK DESIGNATED CONTRACTING  
               STATES IN AN APPLICATION WITH SEARCH REPORT:  
               (IN EINER ANMELDUNG BENANNTEN VERTRAGSSTAATEN)

DE FR GB NL  
 EP 975173 P 20000126 EP A1 PUBLICATION OF APPLICATION  
               WITH SEARCH REPORT (VEROEFFENTLICHUNG DER  
               ANMELDUNG MIT RECHERCHENBERICHT)

EP 975173 P 20000126 EP 17P REQUEST FOR EXAMINATION  
               FILED (PRUEFUNGSANTRAG GESTELLT)  
               19991021

EP 975173 P 20001011 EP AKX PAYMENT OF DESIGNATION FEES  
               (NL: KORREKTUREN (TEIL 1 RUBRIK G))  
               DE FR GB NL

EP 975174 P 19910327 EP AA PRIORITY (PATENT  
               APPLICATION) (PRIORITY (PATENTANMELDUNG))

JP 9162798 A 19910327  
 EP 975174 P 19910425 EP AA PRIORITY (PATENT  
               APPLICATION) (PRIORITY (PATENTANMELDUNG))

JP 9195813 A 19910425  
 EP 975174 P 19910529 EP AA PRIORITY (PATENT  
               APPLICATION) (PRIORITY (PATENTANMELDUNG))

JP 91155650 A 19910529  
 EP 975174 P 19910723 EP AA PRIORITY (PATENT  
               APPLICATION) (PRIORITY (PATENTANMELDUNG))

JP 91182236 A 19910723  
 EP 975174 P 19920317 EP AA PRIORITY (PATENT  
               APPLICATION) (PRIORITY (PATENTANMELDUNG))

JP 9260739 A 19920317  
 EP 975174 P 19920326 EP AA DIVIDED OUT OF  
               (AUSSCHEIDUNG AUS)  
               EP 92302627 A3 19920326

EP 975174 P 19920326 EP AA DIVIDED OUT OF  
               (AUSSCHEIDUNG AUS)  
               EP 96119060 A3 19920326

EP 975174 P 19920326 EP AE EP-APPLICATION  
               (EUROPAEISCHE ANMELDUNG)

EP 975174 P EP 99121026 A 19920326  
 20000126 EP AC DIVISIONAL APPLICATION (ART.  
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
 EP 506400 P  
 EP 975174 P 20000126 EP AC DIVISIONAL APPLICATION (ART.  
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
 EP 766478 P  
 EP 975174 P 20000126 EP AK DESIGNATED CONTRACTING  
 STATES IN AN APPLICATION WITH SEARCH REPORT:  
 (IN EINER ANMELDUNG BENANNTEN VERTRAGSSTAATEN)  
 DE FR GB NL  
 EP 975174 P 20000126 EP A1 PUBLICATION OF APPLICATION  
 WITH SEARCH REPORT (VEROEFFENTLICHUNG DER  
 ANMELDUNG MIT RECHERCHENBERICHT)  
 EP 975174 P 20000126 EP 17P REQUEST FOR EXAMINATION  
 FILED (PRUEFUNGSANTRAG GESTELLT)  
 19991021  
 EP 975174 P 20001011 EP AKX PAYMENT OF DESIGNATION FEES  
 (NL: KORREKTUREN (TEIL 1 RUBRIK G))  
 DE FR GB NL  
 EP 1003162 P 19951009 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 JP 95261247 A 19951009  
 EP 1003162 P 19960123 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 JP 968910 A 19960123  
 EP 1003162 P 19960515 EP AA DIVIDED OUT OF  
 (AUSSCHEIDUNG AUS)  
 EP 96915172 A3 19960515  
 EP 1003162 P 19960515 EP AE EP-APPLICATION  
 (EUROPÆISCHE ANMELDUNG)  
 EP 2000103257 A 19960515  
 EP 1003162 P 20000524 EP AC DIVISIONAL APPLICATION (ART.  
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
 EP 807929 P  
 EP 1003162 P 20000524 EP AK DESIGNATED CONTRACTING  
 STATES IN AN APPLICATION WITH SEARCH REPORT:  
 (IN EINER ANMELDUNG BENANNTEN VERTRAGSSTAATEN)  
 DE FR GB  
 EP 1003162 P 20000524 EP A1 PUBLICATION OF APPLICATION  
 WITH SEARCH REPORT (VEROEFFENTLICHUNG DER  
 ANMELDUNG MIT RECHERCHENBERICHT)  
 EP 1003162 P 20000524 EP 17P REQUEST FOR EXAMINATION  
 FILED (PRUEFUNGSANTRAG GESTELLT)  
 20000217  
 EP 1003162 P 20000913 EP 17Q FIRST EXAMINATION REPORT  
 (ERSTER PRUEFUNGSBESCHEID)  
 20000725  
 EP 1003162 P 20001102 EP AC DIVISIONAL APPLICATION (ART.  
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
 EP 807929 P  
 EP 1003162 P 20001102 EP AK DESIGNATED CONTRACTING  
 STATES MENTIONED IN A PATENT SPECIFICATION:  
 (IN EINER PATENTSCHRIFT ANGEGEHRTE BENANNTEN  
 VERTRAGSSTAATEN)  
 DE FR GB  
 EP 1003162 P 20001102 EP B1 PATENT SPECIFICATION  
 (PATENTSCHRIFT)  
 EP 1003162 P 20001207 EP REF CORRESPONDS TO:  
 (ENTSPRICHT)  
 DE 69610859 P 20001207  
 EP 1005023 P 19951009 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 1005023 P JP 95261247 A 19951009  
 19960123 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITY (PATENTANMELDUNG))  
 EP 1005023 P JP 968910 A 19960123  
 19960809 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITY (PATENTANMELDUNG))  
 EP 1005023 P JP 96211304 A 19960809  
 19961008 EP AA DIVIDED OUT OF  
 (AUSSCHEIDUNG AUS)  
 EP 96932845 A3 19961008  
 EP 1005023 P 19961008 EP AE EP-APPLICATION  
 (EUROPÄISCHE ANMELDUNG)  
 EP 2000102965 A 19961008  
 EP 1005023 P 20000531 EP AC DIVISIONAL APPLICATION (ART.  
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
 EP 802527 P  
 EP 1005023 P 20000531 EP AK DESIGNATED CONTRACTING  
 STATES IN AN APPLICATION WITH SEARCH REPORT:  
 (IN EINER ANMELDUNG BENANNTEN VERTRAGSSTAATEN)  
 DE FR GB  
 EP 1005023 P 20000531 EP A1 PUBLICATION OF APPLICATION  
 WITH SEARCH REPORT (VEROEFFENTLICHUNG DER  
 ANMELDUNG MIT RECHERCHENBERICHT)  
 EP 1005023 P 20000531 EP 17P REQUEST FOR EXAMINATION  
 FILED (PRUEFUNGSANTRAG GESTELLT)  
 20000301  
 EP 1005023 P 20001115 EP RIN1 INVENTOR (CORRECTION)  
 (ERFINDER (KORR.))  
 OSHIMA, MITSUAKI ; GOTOH, YOSHIHO ; TANAKA,  
 SHINICHI ; KOISHI, KENJI ; MORIYA, MITSUROU ;  
 TAKEMURA, YOSHINARI  
 EP 1005024 P 19951009 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITY (PATENTANMELDUNG))  
 EP 1005024 P 19960123 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITY (PATENTANMELDUNG))  
 EP 1005024 P 19960809 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITY (PATENTANMELDUNG))  
 EP 1005024 P JP 95261247 A 19951009  
 19961008 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITY (PATENTANMELDUNG))  
 EP 1005024 P 199611304 A 19960809  
 19961008 EP AA DIVIDED OUT OF  
 (AUSSCHEIDUNG AUS)  
 EP 96932845 A3 19961008  
 EP 1005024 P 19961008 EP AE EP-APPLICATION  
 (EUROPÄISCHE ANMELDUNG)  
 EP 2000102966 A 19961008  
 EP 1005024 P 20000531 EP AC DIVISIONAL APPLICATION (ART.  
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
 EP 802527 P  
 EP 1005024 P 20000531 EP AK DESIGNATED CONTRACTING  
 STATES IN AN APPLICATION WITH SEARCH REPORT:  
 (IN EINER ANMELDUNG BENANNTEN VERTRAGSSTAATEN)  
 DE FR GB  
 EP 1005024 P 20000531 EP A1 PUBLICATION OF APPLICATION  
 WITH SEARCH REPORT (VEROEFFENTLICHUNG DER  
 ANMELDUNG MIT RECHERCHENBERICHT)  
 EP 1005024 P 20000531 EP 17P REQUEST FOR EXAMINATION  
 FILED (PRUEFUNGSANTRAG GESTELLT)  
 20000301  
 EP 1005024 P 20000927 EP RIN1 INVENTOR (CORRECTION)  
 (ERFINDER (KORR.))

OSHIMA, MITSUAKI ; GOTOH, YOSHIHO ; TANAKA,  
SHINICHI ; KOISHI, KENJI ; MORIYA, MITSUROU ;  
TAKEMURA, YOSHINARI

EP 1005025 P 19951009 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 95261247 A 19951009  
EP 1005025 P 19960123 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 968910 A 19960123  
EP 1005025 P 19960809 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 96211304 A 19960809  
EP 1005025 P 19961008 EP AA DIVIDED OUT OF  
(AUSSCHEIDUNG AUS)  
EP 96932845 A3 19961008  
EP 1005025 P 19961008 EP AE EP-APPLICATION  
(EUROPAEISCHE ANMELDUNG)  
EP 2000102967 A 19961008  
EP 1005025 P 20000531 EP AC DIVISIONAL APPLICATION (ART.  
76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
EP 802527 P  
EP 1005025 P 20000531 EP AK DESIGNATED CONTRACTING  
STATES IN AN APPLICATION WITH SEARCH REPORT:  
(IN EINER ANMELDUNG BENANNTEN VERTRAGSSTAATEN)

DE FR GB  
EP 1005025 P 20000531 EP A1 PUBLICATION OF APPLICATION  
WITH SEARCH REPORT (VEROEFFENTLICHUNG DER  
ANMELDUNG MIT RECHERCHENBERICHT)  
EP 1005025 P 20000531 EP 17P REQUEST FOR EXAMINATION  
FILED (PRUEFUNGSANTRAG GESTELLT)  
20000301  
EP 1005025 P 20001115 EP RIN1 INVENTOR (CORRECTION)  
(ERFINDER (KORR.))  
OSHIMA, MITSUAKI ; GOTOH, YOSHIHO ; TANAKA,  
SHINICHI ; KOISHI, KENJI ; MORIYA, MITSUROU ;  
TAKEMURA, YOSHINARI  
EP 1005026 P 19951009 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 95261247 A 19951009  
EP 1005026 P 19960123 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 968910 A 19960123  
EP 1005026 P 19960809 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 96211304 A 19960809  
EP 1005026 P 19961008 EP AA DIVIDED OUT OF  
(AUSSCHEIDUNG AUS)  
EP 96932845 A3 19961008  
EP 1005026 P 19961008 EP AE EP-APPLICATION  
(EUROPAEISCHE ANMELDUNG)  
EP 2000102968 A 19961008  
EP 1005026 P 20000531 EP AC DIVISIONAL APPLICATION (ART.  
76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
EP 802527 P  
EP 1005026 P 20000531 EP AK DESIGNATED CONTRACTING  
STATES IN AN APPLICATION WITH SEARCH REPORT:  
(IN EINER ANMELDUNG BENANNTEN VERTRAGSSTAATEN)

DE FR GB  
EP 1005026 P 20000531 EP A1 PUBLICATION OF APPLICATION  
WITH SEARCH REPORT (VEROEFFENTLICHUNG DER  
ANMELDUNG MIT RECHERCHENBERICHT)

EP 1005026 P 20000531 EP 17P REQUEST FOR EXAMINATION  
                   FILED (PRUEFUNGSANTRAG GESTELLT)  
                   20000301

EP 1005026 P 20001115 EP RIN1 INVENTOR (CORRECTION)  
                   (ERFINDER (KORR.))  
                   OSHIMA, MITSUAKI ; GOTOH, YOSHIHO ; TANAKA,  
                   SHINICHI ; KOISHI, KENJI ; MORIYA, MITSUROU ;  
                   TAKEMURA, YOSHINARI

EP 1005026 P 20001129 EP RTI1 TITEL (CORRECTION) (TITEL  
                   (KORR.))  
                   OPTICAL RECORDER

EP 1005027 P 19951009 EP AA PRIORITY (PATENT  
                   APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 1005027 P 19960123 EP AA PRIORITY (PATENT  
                   APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 1005027 P 19960809 EP AA PRIORITY (PATENT  
                   APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 1005027 P 19961008 EP AA DIVIDED OUT OF  
                   (AUSSCHEIDUNG AUS)  
                   EP 96932845 A3 19961008

EP 1005027 P 19961008 EP AE EP-APPLICATION  
                   (EUROPÄISCHE ANMELDUNG)  
                   EP 2000102969 A 19961008

EP 1005027 P 20000531 EP AC DIVISIONAL APPLICATION (ART.  
                   76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
                   EP 802527 P

EP 1005027 P 20000531 EP AK DESIGNATED CONTRACTING  
                   STATES IN AN APPLICATION WITH SEARCH REPORT:  
                   (IN EINER ANMELDUNG BENANNTEN VERTRAGSSTAATEN)

DE FR GB

EP 1005027 P 20000531 EP A1 PUBLICATION OF APPLICATION  
                   WITH SEARCH REPORT (VEROEFFENTLICHUNG DER  
                   ANMELDUNG MIT RECHERCHENBERICHT)

EP 1005027 P 20000531 EP 17P REQUEST FOR EXAMINATION  
                   FILED (PRUEFUNGSANTRAG GESTELLT)  
                   20000301

EP 1005027 P 20001115 EP RIN1 INVENTOR (CORRECTION)  
                   (ERFINDER (KORR.))  
                   OSHIMA, MITSUAKI ; GOTOH, YOSHIHO ; TANAKA,  
                   SHINICHI ; KOISHI, KENJI ; MORIYA, MITSUROU ;  
                   TAKEMURA, YOSHINARI

EP 1005027 P 20001129 EP RTI1 TITEL (CORRECTION) (TITEL  
                   (KORR.))  
                   OPTICAL RECORDER

EP 1005028 P 19951009 EP AA PRIORITY (PATENT  
                   APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 1005028 P 19960123 EP AA PRIORITY (PATENT  
                   APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 1005028 P 19960809 EP AA PRIORITY (PATENT  
                   APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 1005028 P 19961008 EP AA DIVIDED OUT OF  
                   (AUSSCHEIDUNG AUS)  
                   EP 96932845 A3 19961008

EP 1005028 P 19961008 EP AE EP-APPLICATION  
                   (EUROPÄISCHE ANMELDUNG)

EP 1005028 P EP 2000102971 A 19961008  
 20000531 EP AC DIVISIONAL APPLICATION (ART.  
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
 EP 802527 P  
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 STATES IN AN APPLICATION WITH SEARCH REPORT:  
 (IN EINER ANMELDUNG BENANNTEN VERTRAGSSTAATEN)

DE FR GB  
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 EP 1005028 P 20001115 EP RIN1 INVENTOR (CORRECTION)  
 (ERFINDER (KORR.))  
 OSHIMA, MITSUAKI ; GOTOH, YOSHIHO ; TANAKA,  
 SHINICHI ; KOISHI, KENJI ; MORIYA, MITSUROU ;  
 TAKEMURA, YOSHINARI  
 EP 1005028 P 20001129 EP 17Q FIRST EXAMINATION REPORT  
 (ERSTER PRUEFUNGSBESCHEID)  
 20001013  
 EP 1005033 P 19951009 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 JP 95261247 A 19951009  
 EP 1005033 P 19960123 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 JP 968910 A 19960123  
 EP 1005033 P 19960515 EP AA DIVIDED OUT OF  
 (AUSSCHEIDUNG AUS)  
 EP 96915172 A3 19960515  
 EP 1005033 P 19960515 EP AE EP-APPLICATION  
 (EUROPAEISCHE ANMELDUNG)  
 EP 2000101774 A 19960515  
 EP 1005033 P 20000531 EP AC DIVISIONAL APPLICATION (ART.  
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
 EP 807929 P  
 EP 1005033 P 20000531 EP AK DESIGNATED CONTRACTING  
 STATES IN AN APPLICATION WITH SEARCH REPORT:  
 (IN EINER ANMELDUNG BENANNTEN VERTRAGSSTAATEN)

DE FR GB  
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 WITH SEARCH REPORT (VEROEFFENTLICHUNG DER  
 ANMELDUNG MIT RECHERCHENBERICHT)  
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 FILED (PRUEFUNGSANTRAG GESTELLT)  
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 JP 95261247 A 19951009  
 EP 1005034 P 19960123 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 JP 968910 A 19960123  
 EP 1005034 P 19960515 EP AA DIVIDED OUT OF  
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 EP 96915172 A3 19960515  
 EP 1005034 P 19960515 EP AE EP-APPLICATION  
 (EUROPAEISCHE ANMELDUNG)  
 EP 2000101775 A 19960515  
 EP 1005034 P 20000531 EP AC DIVISIONAL APPLICATION (ART.  
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
 EP 807929 P

EP 1005034 P 20000531 EP AK DESIGNATED CONTRACTING  
 STATES IN AN APPLICATION WITH SEARCH REPORT:  
 (IN EINER ANMELDUNG BENANNTEN VERTRAGSSTAATEN)  
 DE FR GB  
 EP 1005034 P 20000531 EP AX ERSTRECKUNG DES  
 EUROPÄISCHEN PATENTS AUF (ZAHLUNG VON  
 BENENNUNGSGEBÜEHREN)  
 AL;LT;LV;SI  
 EP 1005034 P 20000531 EP A1 PUBLICATION OF APPLICATION  
 WITH SEARCH REPORT (VEROEFFENTLICHUNG DER  
 ANMELDUNG MIT RECHERCHENBERICHT)  
 EP 1005034 P 20000531 EP 17P REQUEST FOR EXAMINATION  
 FILED (PRUEFUNGSANTRAG GESTELLT)  
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 EP 1005034 P 20000913 EP 17Q FIRST EXAMINATION REPORT  
 (ERSTER PRUEFUNGSBESCHEID)  
 20000725  
 EP 1005034 P 20001102 EP AC DIVISIONAL APPLICATION (ART.  
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
 EP 807929 P  
 EP 1005034 P 20001102 EP AK DESIGNATED CONTRACTING  
 STATES MENTIONED IN A PATENT SPECIFICATION:  
 (IN EINER PATENTSCHRIFT ANGEFÜHRTE BENANNTEN  
 VERTRAGSSTAATEN)  
 DE FR GB  
 EP 1005034 P 20001102 EP B1 PATENT SPECIFICATION  
 (PATENTSCHRIFT)  
 EP 1005034 P 20001207 EP REF CORRESPONDS TO:  
 (ENTSPRICHT)  
 DE 69610860 P 20001207  
 EP 1005035 P 19951009 EP AA PRIORITY (PATENT  
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 JP 95261247 A 19951009  
 EP 1005035 P 19960123 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 JP 968910 A 19960123  
 EP 1005035 P 19960515 EP AA DIVIDED OUT OF  
 (AUSSCHEIDUNG AUS)  
 EP 96915172 A3 19960515  
 EP 1005035 P 19960515 EP AE EP-APPLICATION  
 (EUROPÄISCHE ANMELDUNG)  
 EP 2000104818 A 19960515  
 EP 1005035 P 20000531 EP AC DIVISIONAL APPLICATION (ART.  
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
 EP 807929 P  
 EP 1005035 P 20000531 EP AK DESIGNATED CONTRACTING  
 STATES IN AN APPLICATION WITH SEARCH REPORT:  
 (IN EINER ANMELDUNG BENANNTEN VERTRAGSSTAATEN)  
 AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC  
 NL PT SE  
 EP 1005035 P 20000531 EP AX ERSTRECKUNG DES  
 EUROPÄISCHEN PATENTS AUF (ZAHLUNG VON  
 BENENNUNGSGEBÜEHREN)  
 AL;LT;LV;SI  
 EP 1005035 P 20000531 EP A1 PUBLICATION OF APPLICATION  
 WITH SEARCH REPORT (VEROEFFENTLICHUNG DER  
 ANMELDUNG MIT RECHERCHENBERICHT)  
 EP 1005035 P 20000531 EP 17P REQUEST FOR EXAMINATION  
 FILED (PRUEFUNGSANTRAG GESTELLT)  
 20000306  
 EP 1005035 P 20000913 EP 17Q FIRST EXAMINATION REPORT  
 (ERSTER PRUEFUNGSBESCHEID)  
 20000725  
 EP 1005035 P 20001102 EP AC DIVISIONAL APPLICATION (ART.

76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
EP 807929 P

EP 1005035 P 20001102 EP AK DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION:  
(IN EINER PATENTSCHRIFT ANGEGUEHRTE BENANNTE VERTRAGSSTAATEN)  
DE FR GB

EP 1005035 P 20001102 EP B1 PATENT SPECIFICATION  
(PATENTSCHRIFT)

EP 1005035 P 20001207 EP REF CORRESPONDS TO:  
(ENTSPRICHT)  
DE 69610861 P 20001207

EP 1006516 P 19951009 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 95261247 A 19951009  
EP 1006516 P 19960123 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 968910 A 19960123  
EP 1006516 P 19960515 EP AA DIVIDED OUT OF  
(AUSSCHEIDUNG AUS)  
EP 96915172 A3 19960515

EP 1006516 P 19960515 EP AE EP-APPLICATION  
(EUROPAEISCHE ANMELDUNG)  
EP 2000105014 A 19960515

EP 1006516 P 20000607 EP AC DIVISIONAL APPLICATION (ART.  
76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
EP 807929 P

EP 1006516 P 20000607 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT:  
(IN EINER ANMELDUNG BENANNTEN VERTRAGSSTAATEN)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC  
NL PT SE

EP 1006516 P 20000607 EP AX ERSTRECKUNG DES  
EUROPAEISCHEN PATENTS AUF (ZAHLUNG VON  
BENENNUNGSGEBUEHREN)  
AL;LT;LV;SI

EP 1006516 P 20000607 EP A1 PUBLICATION OF APPLICATION  
WITH SEARCH REPORT (VEROEFFENTLICHUNG DER  
ANMELDUNG MIT RECHERCHENBERICHT)

EP 1006516 P 20000607 EP 17P REQUEST FOR EXAMINATION  
FILED (PRUEFUNGSANTRAG GESTELLT)  
20000309

EP 1006517 P 19951009 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 95261247 A 19951009  
EP 1006517 P 19960123 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 968910 A 19960123  
EP 1006517 P 19960515 EP AA DIVIDED OUT OF  
(AUSSCHEIDUNG AUS)  
EP 96915172 A3 19960515

EP 1006517 P 19960515 EP AE EP-APPLICATION  
(EUROPAEISCHE ANMELDUNG)  
EP 2000106447 A 19960515

EP 1006517 P 20000607 EP AC DIVISIONAL APPLICATION (ART.  
76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
EP 807929 P

EP 1006517 P 20000607 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT:  
(IN EINER ANMELDUNG BENANNTEN VERTRAGSSTAATEN)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC  
NL PT SE

EP 1006517 P 20000607 EP AX ERSTRECKUNG DES  
 EUROPÄISCHEN PATENTS AUF (ZAHLUNG VON  
 BENENNUNGSGBEUREN)  
 AL;LT;LV;SI

EP 1006517 P 20000607 EP A1 PUBLICATION OF APPLICATION  
 WITH SEARCH REPORT (VEROEFFENTLICHUNG DER  
 ANMELDUNG MIT RECHERCHENBERICHT)

EP 1006517 P 20000607 EP 17P REQUEST FOR EXAMINATION  
 FILED (PRUEFUNGSANTRAG GESTELLT)  
 20000324

EP 1024478 P 19951009 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 95261247 A 19951009

EP 1024478 P 19960123 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 968910 A 19960123

EP 1024478 P 19960809 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 JP 96211304 A 19960809

EP 1024478 P 19961008 EP AA DIVIDED OUT OF  
 (AUSSCHEIDUNG AUS)  
 EP 96932845 A3 19961008

EP 1024478 P 19961008 EP AE EP-APPLICATION  
 (EUROPÄISCHE ANMELDUNG)  
 EP 2000102970 A 19961008

EP 1024478 P 20000802 EP AC DIVISIONAL APPLICATION (ART.  
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
 EP 802527 P

EP 1024478 P 20000802 EP AK DESIGNATED CONTRACTING  
 STATES IN AN APPLICATION WITH SEARCH REPORT:  
 (IN EINER ANMELDUNG BENANNTEN VERTRAGSSTAATEN)

DE FR GB

EP 1024478 P 20000802 EP A1 PUBLICATION OF APPLICATION  
 WITH SEARCH REPORT (VEROEFFENTLICHUNG DER  
 ANMELDUNG MIT RECHERCHENBERICHT)

EP 1024478 P 20000802 EP 17P REQUEST FOR EXAMINATION  
 FILED (PRUEFUNGSANTRAG GESTELLT)  
 20000301

EP 1024478 P 20001115 EP RIN1 INVENTOR (CORRECTION)  
 (ERFINDER (KORR.))  
 OSHIMA, MITSUAKI ; GOTOH, YOSHIHO ; TANAKA,  
 SHINICHI ; KOISHI, KENJI ; MORIYA, MITSUROU ;  
 TAKEMURA, YOSHINARI

EP 1024478 P 20001129 EP 17Q FIRST EXAMINATION REPORT  
 (ERSTER PRUEFUNGSBESCHEID)  
 20001011

EP 1028422 P 19951009 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 95261247 A 19951009

EP 1028422 P 19960123 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 968910 A 19960123

EP 1028422 P 19960515 EP AA DIVIDED OUT OF  
 (AUSSCHEIDUNG AUS)  
 EP 96915172 A3 19960515

EP 1028422 P 19960515 EP AE EP-APPLICATION  
 (EUROPÄISCHE ANMELDUNG)  
 EP 2000109898 A 19960515

EP 1028422 P 20000816 EP AC DIVISIONAL APPLICATION (ART.  
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
 EP 807929 P

EP 1028422 P 20000816 EP AK DESIGNATED CONTRACTING  
 STATES IN AN APPLICATION WITH SEARCH REPORT:

(IN EINER ANMELDUNG BENANNTEN VERTRAGSSTAATEN)

		DE FR GB
EP 1028422	P	20000816 EP A1 PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)
EP 1028422	P	20000816 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 20000510
EP 1028423	P	19951009 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
		JP 95261247 A 19951009
EP 1028423	P	19960123 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
		JP 968910 A 19960123
EP 1028423	P	19960515 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS) EP 96915172 A3 19960515
EP 1028423	P	19960515 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG) EP 2000109899 A 19960515
EP 1028423	P	20000816 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 807929 P
EP 1028423	P	20000816 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNTEN VERTRAGSSTAATEN)
		DE FR GB
EP 1028423	P	20000816 EP A1 PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)
EP 1028423	P	20000816 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 20000510
EP 1030297	P	19951009 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) JP 95261247 A 19951009
EP 1030297	P	19960123 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
		JP 968910 A 19960123
EP 1030297	P	19960515 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS) EP 96915172 A3 19960515
EP 1030297	P	19960515 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG) EP 2000110461 A 19960515
EP 1030297	P	20000823 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 807929 P
EP 1030297	P	20000823 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNTEN VERTRAGSSTAATEN)
		AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE
EP 1030297	P	20000823 EP AX ERSTRECKUNG DES EUROPAEISCHEN PATENTS AUF (ZAHLUNG VON BENENNUNGSGEBUEHREN) AL;LT;LV;SI
EP 1030297	P	20000823 EP A1 PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)
EP 1030297	P	20000823 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)

EP 1031974 P 20000519  
 19951009 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 JP 95261247 A 19951009  
 EP 1031974 P 19960123 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 JP 968910 A 19960123  
 EP 1031974 P 19960515 EP AA DIVIDED OUT OF  
 (AUSSCHEIDUNG AUS)  
 EP 96915172 A3 19960515  
 EP 1031974 P 19960515 EP AE EP-APPLICATION (EP-AUSSCHEIDUNG)  
 EP 2000112310 A 19960515  
 EP 1031974 P 20000830 EP AC DIVISIONAL APPLICATION (ART.  
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
 EP 807929 P  
 EP 1031974 P 20000830 EP AK DESIGNATED CONTRACTING  
 STATES IN AN APPLICATION WITH SEARCH REPORT:  
 (IN EINER ANMELDUNG BENANNTEN VERTRAGSSTAATEN)  
 DE FR GB  
 EP 1031974 P 20000830 EP A1 PUBLICATION OF APPLICATION  
 WITH SEARCH REPORT (VEROEFFENTLICHUNG DER  
 ANMELDUNG MIT RECHERCHENBERICHT)  
 EP 1031974 P 20000830 EP 17P REQUEST FOR EXAMINATION  
 FILED (PRUEFUNGSANTRAG GESTELLT)  
 20000608  
 EP 1035693 P 19920925 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 JP 92256070 A 19920925  
 EP 1035693 P 19930325 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 JP 9366461 A 19930325  
 EP 1035693 P 19930510 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 JP 93132984 A 19930510  
 EP 1035693 P 19930924 EP AA DIVIDED OUT OF  
 (AUSSCHEIDUNG AUS)  
 EP 93307575 A3 19930924  
 EP 1035693 P 19930924 EP AE EP-APPLICATION  
 (EUROPAEISCHE ANMELDUNG)  
 EP 2000114572 A 19930924  
 EP 1035693 P 20000913 EP AC DIVISIONAL APPLICATION (ART.  
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
 EP 589709 P  
 EP 1035693 P 20000913 EP AK DESIGNATED CONTRACTING  
 STATES IN AN APPLICATION WITHOUT SEARCH  
 REPORT: (IN EINER ANMELDUNG OHNE  
 RECHERCHENBERICHT BENANNTEN VERTRAGSSTAATEN)  
 AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
 PT SE  
 EP 1035693 P 20000913 EP A2 PUBLICATION OF APPLICATION  
 WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER  
 ANMELDUNG OHNE RECHERCHENBERICHT)  
 EP 1035693 P 20001011 EP 17P REQUEST FOR EXAMINATION  
 FILED (PRUEFUNGSANTRAG GESTELLT)  
 20000714  
 EP 1035693 P 20001206 EP AK DESIGNATED CONTRACTING  
 STATES IN A SEARCH REPORT: (IN EINEM  
 RECHERCHENBERICHT BENANNTEN VERTRAGSSTAATEN)  
 AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL

EP 1035693 P 20001206 EP A3 PT SE SEPARATE PUBLICATION OF THE  
 SEARCH REPORT (ART. 93) (GESONDERTE  
 VEROEFFENTLICHUNG DES RECHERCHENBERICHTS  
 (ART. 93))  
 EP 1035694 P 19920925 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 EP 1035694 P 19930325 EP AA JP 92256070 A PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 EP 1035694 P 19930510 EP AA JP 9366461 A PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 EP 1035694 P 19930924 EP AA JP 93132984 A DIVIDED OUT OF  
 (AUSSCHEIDUNG AUS)  
 EP 93307575 A3 19930924  
 EP 1035694 P 19930924 EP AE EP-APPLICATION  
 (EUROPAEISCHE ANMELDUNG)  
 EP 2000114573 A 19930924  
 EP 1035694 P 20000913 EP AC DIVISIONAL APPLICATION (ART.  
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
 EP 589709 P  
 EP 1035694 P 20000913 EP AK DESIGNATED CONTRACTING  
 STATES IN AN APPLICATION WITHOUT SEARCH  
 REPORT: (IN EINER ANMELDUNG OHNE  
 RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)  
 AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
 PT SE  
 EP 1035694 P 20000913 EP A2 PUBLICATION OF APPLICATION  
 WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER  
 ANMELDUNG OHNE RECHERCHENBERICHT)  
 EP 1035694 P 20001011 EP 17P REQUEST FOR EXAMINATION  
 FILED (PRUEFUNGSANTRAG GESTELLT)  
 20000714  
 EP 1035694 P 20001206 EP AK DESIGNATED CONTRACTING  
 STATES IN A SEARCH REPORT: (IN EINEM  
 RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)  
 AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
 PT SE  
 EP 1035694 P 20001206 EP A3 SEPARATE PUBLICATION OF THE  
 SEARCH REPORT (ART. 93) (GESONDERTE  
 VEROEFFENTLICHUNG DES RECHERCHENBERICHTS  
 (ART. 93))  
 EP 1035694 P 20001206 EP RIC1 CLASSIFICATION (CORRECTION)  
 (KLASSIFIKATION (KORR.))  
 7H 04L 27/02 A, 7H 04L 27/18 B, 7H 04L 27/26  
 B, 7H 04L 27/34 B, 7H 04L 27/38 B, 7H 04N  
 7/24 B  
 EP 1035695 P 19920925 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 EP 1035695 P 19930325 EP AA JP 92256070 A 19920925  
 PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 EP 1035695 P 19930510 EP AA JP 9366461 A 19930325  
 PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 EP 1035695 P 19930924 EP AA JP 93132984 A 19930510  
 DIVIDED OUT OF (AUSSCHEIDUNG AUS)  
 EP 93307575 A3 19930924

EP 1035695 P 19930924 EP AE EP-APPLICATION  
(EUROPAEISCHE ANMELDUNG)  
EP 2000114575 A 19930924

EP 1035695 P 20000913 EP AC DIVISIONAL APPLICATION (ART.  
76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
EP 589709 P

EP 1035695 P 20000913 EP AK DESIGNATED CONTRACTING  
STATES IN AN APPLICATION WITHOUT SEARCH  
REPORT: (IN EINER ANMELDUNG OHNE  
RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
PT SE

EP 1035695 P 20000913 EP A2 PUBLICATION OF APPLICATION  
WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER  
ANMELDUNG OHNE RECHERCHENBERICHT)

EP 1035695 P 20001011 EP 17P REQUEST FOR EXAMINATION  
FILED (PRUEFUNGSANTRAG GESTELLT)  
20000714

EP 1035695 P 20001206 EP AK DESIGNATED CONTRACTING  
STATES IN A SEARCH REPORT: (IN EINEM  
RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
PT SE

EP 1035695 P 20001206 EP A3 SEPARATE PUBLICATION OF THE  
SEARCH REPORT (ART. 93) (GESONDERTE  
VEROEFFENTLICHUNG DES RECHERCHENBERICHTS  
(ART. 93))

EP 1035695 P 20001206 EP RIC1 CLASSIFICATION (CORRECTION)  
(KLASSIFIKATION (KORR.))  
7H 04L 27/02 A, 7H 04L 27/18 B, 7H 04L 27/26  
B, 7H 04L 27/34 B, 7H 04L 27/38 B, 7H 04N  
7/24 B

EP 1035696 P 19920925 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 92256070 A 19920925

EP 1035696 P 19930325 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9366461 A 19930325

EP 1035696 P 19930510 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 93132984 A 19930510

EP 1035696 P 19930924 EP AA DIVIDED OUT OF  
(AUSSCHEIDUNG AUS)  
EP 93307575 A3 19930924

EP 1035696 P 19930924 EP AE EP-APPLICATION  
(EUROPAEISCHE ANMELDUNG)  
EP 2000114577 A 19930924

EP 1035696 P 20000913 EP AC DIVISIONAL APPLICATION (ART.  
76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
EP 589709 P

EP 1035696 P 20000913 EP AK DESIGNATED CONTRACTING  
STATES IN AN APPLICATION WITHOUT SEARCH  
REPORT: (IN EINER ANMELDUNG OHNE  
RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
PT SE

EP 1035696 P 20000913 EP A2 PUBLICATION OF APPLICATION  
WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER  
ANMELDUNG OHNE RECHERCHENBERICHT)

EP 1035696 P 20001011 EP 17P REQUEST FOR EXAMINATION  
FILED (PRUEFUNGSANTRAG GESTELLT)  
20000714

EP 1035696 P 20001206 EP AK DESIGNATED CONTRACTING  
 STATES IN A SEARCH REPORT: (IN EINEM  
 RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)  
 AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
 PT SE  
 EP 1035696 P 20001206 EP A3 SEPARATE PUBLICATION OF THE  
 SEARCH REPORT (ART. 93) (GESONDERTE  
 VEROEFFENTLICHUNG DES RECHERCHENBERICHTS  
 (ART. 93))  
 EP 1035696 P 20001206 EP RIC1 CLASSIFICATION (CORRECTION)  
 (KLASSIFIKATION (KORR.))  
 7H 04L 27/02 A, 7H 04L 27/18 B, 7H 04L 27/26  
 B, 7H 04L 27/34 B, 7H 04L 27/38 B, 7H 04N  
 7/24 B  
 EP 1035697 P 19920925 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 JP 92256070 A 19920925  
 EP 1035697 P 19930325 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 JP 9366461 A 19930325  
 EP 1035697 P 19930510 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 JP 93132984 A 19930510  
 EP 1035697 P 19930924 EP AA DIVIDED OUT OF  
 (AUSSCHEIDUNG AUS)  
 EP 93307575 A3 19930924  
 EP 1035697 P 19930924 EP AE EP-APPLICATION  
 (EUROPAEISCHE ANMELDUNG)  
 EP 2000114578 A 19930924  
 EP 1035697 P 20000913 EP AC DIVISIONAL APPLICATION (ART.  
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
 EP 589709 P  
 EP 1035697 P 20000913 EP AK DESIGNATED CONTRACTING  
 STATES IN AN APPLICATION WITHOUT SEARCH  
 REPORT: (IN EINER ANMELDUNG OHNE  
 RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)  
 AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
 PT SE  
 EP 1035697 P 20000913 EP A2 PUBLICATION OF APPLICATION  
 WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER  
 ANMELDUNG OHNE RECHERCHENBERICHT)  
 EP 1035697 P 20001011 EP 17P REQUEST FOR EXAMINATION  
 FILED (PRUEFUNGSANTRAG GESTELLT)  
 20000714  
 EP 1035697 P 20001206 EP AK DESIGNATED CONTRACTING  
 STATES IN A SEARCH REPORT: (IN EINEM  
 RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)  
 AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
 PT SE  
 EP 1035697 P 20001206 EP A3 SEPARATE PUBLICATION OF THE  
 SEARCH REPORT (ART. 93) (GESONDERTE  
 VEROEFFENTLICHUNG DES RECHERCHENBERICHTS  
 (ART. 93))  
 EP 1035697 P 20001206 EP RIC1 CLASSIFICATION (CORRECTION)  
 (KLASSIFIKATION (KORR.))  
 7H 04L 27/02 A, 7H 04L 27/18 B, 7H 04L 27/26  
 B, 7H 04L 27/34 B, 7H 04L 27/38 B, 7H 04N  
 7/24 B  
 EP 1035698 P 19920925 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 JP 92256070 A 19920925

EP 1035698 P 19930325 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 EP 1035698 P 19930510 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 EP 1035698 P 19930924 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS)  
 EP 1035698 P 19930924 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG)  
 EP 1035698 P 20000913 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 589709 P  
 EP 1035698 P 20000913 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)  
 AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE  
 EP 1035698 P 20000913 EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)  
 EP 1035698 P 20001011 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 20000714  
 EP 1035698 P 20001206 EP AK DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)  
 AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE  
 EP 1035698 P 20001206 EP A3 SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93))  
 EP 1035698 P 20001206 EP RIC1 CLASSIFICATION (CORRECTION) (KLASSIFIKATION (KORR.)) 7H 04L 27/02 A, 7H 04L 27/18 B, 7H 04L 27/26 B, 7H 04L 27/34 B, 7H 04L 27/38 B, 7H 04N 7/24 B  
 EP 1039672 P 19920925 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 EP 1039672 P 19930325 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 EP 1039672 P 19930510 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 EP 1039672 P 19930924 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS)  
 EP 1039672 P 19930924 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG)  
 EP 1039672 P 20000927 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 589709 P  
 EP 1039672 P 20000927 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH

REPORT: (IN EINER ANMELDUNG OHNE  
RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
PT SE

EP 1039672 P 20000927 EP A2 PUBLICATION OF APPLICATION  
WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER  
ANMELDUNG OHNE RECHERCHENBERICHT)

EP 1039672 P 20000927 EP 17P REQUEST FOR EXAMINATION  
FILED (PRUEFUNGSANTRAG GESTELLT)  
20000712

EP 1039672 P 20001206 EP AK DESIGNATED CONTRACTING  
STATES IN A SEARCH REPORT: (IN EINEM  
RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
PT SE

EP 1039672 P 20001206 EP A3 SEPARATE PUBLICATION OF THE  
SEARCH REPORT (ART. 93) (GESONDERTE  
VEROEFFENTLICHUNG DES RECHERCHENBERICHTS  
(ART. 93))

EP 1039672 P 20001206 EP RIC1 CLASSIFICATION (CORRECTION)  
(KLASSIFIKATION (KORR.))  
7H 04L 27/02 A, 7H 04L 27/18 B, 7H 04L 27/26  
B, 7H 04L 27/34 B, 7H 04L 27/38 B, 7H 04N  
7/24 B

EP 1039673 P 19920326 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9267934 A 19920326

EP 1039673 P 19920925 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 92256070 A 19920925

EP 1039673 P 19930326 EP AA DIVIDED OUT OF  
(AUSSCHEIDUNG AUS)  
EP 93302369 A3 19930326

EP 1039673 P 19930326 EP AE EP-APPLICATION  
(EUROPÆISCHE ANMELDUNG)  
EP 2000114689 A 19930326

EP 1039673 P 20000927 EP AC DIVISIONAL APPLICATION (ART.  
76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
EP 562875 P

EP 1039673 P 20000927 EP AK DESIGNATED CONTRACTING  
STATES IN AN APPLICATION WITHOUT SEARCH  
REPORT: (IN EINER ANMELDUNG OHNE  
RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)  
AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
PT SE

EP 1039673 P 20000927 EP A2 PUBLICATION OF APPLICATION  
WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER  
ANMELDUNG OHNE RECHERCHENBERICHT)

EP 1039673 P 20000927 EP 17P REQUEST FOR EXAMINATION  
FILED (PRUEFUNGSANTRAG GESTELLT)  
20000712

EP 1039673 P 20001206 EP AK DESIGNATED CONTRACTING  
STATES IN A SEARCH REPORT: (IN EINEM  
RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
PT SE

EP 1039673 P 20001206 EP A3 SEPARATE PUBLICATION OF THE  
SEARCH REPORT (ART. 93) (GESONDERTE  
VEROEFFENTLICHUNG DES RECHERCHENBERICHTS  
(ART. 93))

EP 1039674 P 19920326 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 1039674 P JP 9267934 A 19920326  
 19920925 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 JP 92256070 A 19920925  
 EP 1039674 P 19930326 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS)  
 EP 93302369 A3 19930326  
 EP 1039674 P 19930326 EP AE EP-APPLICATION  
 (EUROPÄISCHE ANMELDUNG)  
 EP 2000114690 A 19930326  
 EP 1039674 P 20000927 EP AC DIVISIONAL APPLICATION (ART.  
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
 EP 562875 P  
 EP 1039674 P 20000927 EP AK DESIGNATED CONTRACTING  
 STATES IN AN APPLICATION WITHOUT SEARCH  
 REPORT: (IN EINER ANMELDUNG OHNE  
 RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)  
 AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
 PT SE  
 EP 1039674 P 20000927 EP A2 PUBLICATION OF APPLICATION  
 WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER  
 ANMELDUNG OHNE RECHERCHENBERICHT)  
 EP 1039674 P 20000927 EP 17P REQUEST FOR EXAMINATION  
 FILED (PRUEFUNGSANTRAG GESTELLT)  
 20000712  
 EP 1039674 P 20001206 EP AK DESIGNATED CONTRACTING  
 STATES IN A SEARCH REPORT: (IN EINEM  
 RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)  
 AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
 PT SE  
 EP 1039674 P 20001206 EP A3 SEPARATE PUBLICATION OF THE  
 SEARCH REPORT (ART. 93) (GESONDERTE  
 VEROEFFENTLICHUNG DES RECHERCHENBERICHTS  
 (ART. 93))  
 EP 1039675 P 19920326 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 JP 9267934 A 19920326  
 EP 1039675 P 19920925 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 JP 92256070 A 19920925  
 EP 1039675 P 19930326 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS)  
 EP 93302369 A3 19930326  
 EP 1039675 P 19930326 EP AE EP-APPLICATION  
 (EUROPÄISCHE ANMELDUNG)  
 EP 2000114692 A 19930326  
 EP 1039675 P 20000927 EP AC DIVISIONAL APPLICATION (ART.  
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
 EP 562875 P  
 EP 1039675 P 20000927 EP AK DESIGNATED CONTRACTING  
 STATES IN AN APPLICATION WITHOUT SEARCH  
 REPORT: (IN EINER ANMELDUNG OHNE  
 RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)  
 AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
 PT SE  
 EP 1039675 P 20000927 EP A2 PUBLICATION OF APPLICATION  
 WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER  
 ANMELDUNG OHNE RECHERCHENBERICHT)  
 EP 1039675 P 20000927 EP 17P REQUEST FOR EXAMINATION  
 FILED (PRUEFUNGSANTRAG GESTELLT)  
 20000712  
 EP 1039675 P 20001206 EP AK DESIGNATED CONTRACTING

STATES IN A SEARCH REPORT: (IN EINEM  
RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
PT SE

EP 1039675 P 20001206 EP A3 SEPARATE PUBLICATION OF THE  
SEARCH REPORT (ART. 93) (GESONDERTE  
VEROEFFENTLICHUNG DES RECHERCHENBERICHTS  
(ART. 93))

EP 1039676 P 19920326 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9267934 A 19920326  
EP 1039676 P 19920925 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 92256070 A 19920925  
EP 1039676 P 19930326 EP AA DIVIDED OUT OF  
(AUSSCHEIDUNG AUS)  
EP 93302369 A3 19930326

EP 1039676 P 19930326 EP AE EP-APPLICATION  
(EUROPAEISCHE ANMELDUNG)  
EP 2000114694 A 19930326

EP 1039676 P 20000927 EP AC DIVISIONAL APPLICATION (ART.  
76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
EP 562875 P

EP 1039676 P 20000927 EP AK DESIGNATED CONTRACTING  
STATES IN AN APPLICATION WITHOUT SEARCH  
REPORT: (IN EINER ANMELDUNG OHNE  
RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
PT SE

EP 1039676 P 20000927 EP A2 PUBLICATION OF APPLICATION  
WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER  
ANMELDUNG OHNE RECHERCHENBERICHT)

EP 1039676 P 20000927 EP 17P REQUEST FOR EXAMINATION  
FILED (PRUEFUNGSANTRAG GESTELLT)  
20000712

EP 1039676 P 20001206 EP AK DESIGNATED CONTRACTING  
STATES IN A SEARCH REPORT: (IN EINEM  
RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)  
AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
PT SE

EP 1039676 P 20001206 EP A3 SEPARATE PUBLICATION OF THE  
SEARCH REPORT (ART. 93) (GESONDERTE  
VEROEFFENTLICHUNG DES RECHERCHENBERICHTS  
(ART. 93))

EP 1039677 P 19920326 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9267934 A 19920326  
EP 1039677 P 19920925 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 92256070 A 19920925  
EP 1039677 P 19930326 EP AA DIVIDED OUT OF  
(AUSSCHEIDUNG AUS)  
EP 93302369 A3 19930326

EP 1039677 P 19930326 EP AE EP-APPLICATION  
(EUROPAEISCHE ANMELDUNG)  
EP 2000114696 A 19930326

EP 1039677 P 20000927 EP AC DIVISIONAL APPLICATION (ART.  
76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
EP 562875 P

EP 1039677 P 20000927 EP AK DESIGNATED CONTRACTING  
STATES IN AN APPLICATION WITHOUT SEARCH  
REPORT: (IN EINER ANMELDUNG OHNE

RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

		AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
EP 1039677	P	20000927 EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)
EP 1039677	P	20000927 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 20000712
EP 1039677	P	20001206 EP AK DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)
		AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
EP 1039677	P	20001206 EP A3 SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93))
EP 1039678	P	19920326 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 1039678	P	JP 9267934 A 19920326 19920925 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 1039678	P	JP 92256070 A 19920925 19930326 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS) EP 93302369 A3 19930326
EP 1039678	P	19930326 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG) EP 2000114697 A 19930326
EP 1039678	P	20000927 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 562875 P
EP 1039678	P	20000927 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)
		AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
EP 1039678	P	20000927 EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)
EP 1039678	P	20000927 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 20000712
EP 1039678	P	20001206 EP AK DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)
		AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
EP 1039678	P	20001206 EP A3 SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93))
EP 1039679	P	19920326 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 1039679	P	JP 9267934 A 19920326 19920925 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
		JP 92256070 A 19920925

EP 1039679	P	19930326 EP AA	DIVIDED OUT OF (AUSSCHEIDUNG AUS) EP 93302369 A3 19930326
EP 1039679	P	19930326 EP AE	EP-APPLICATION (EUROPÄISCHE ANMELDUNG) EP 2000114698 A 19930326
EP 1039679	P	20000927 EP AC	DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 562875 P
EP 1039679	P	20000927 EP AK	DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)
			AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
EP 1039679	P	20000927 EP A2	PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)
EP 1039679	P	20000927 EP 17P	REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 20000712
EP 1039679	P	20001206 EP AK	DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)
			AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
EP 1039679	P	20001206 EP A3	SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93))
EP 1039680	P	19920326 EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 1039680	P	19920925 EP AA	JP 9267934 A 19920326 JP 92256070 A 19920925 PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 1039680	P	19930326 EP AA	DIVIDED OUT OF (AUSSCHEIDUNG AUS) EP 93302369 A3 19930326
EP 1039680	P	19930326 EP AE	EP-APPLICATION (EUROPÄISCHE ANMELDUNG) EP 2000114699 A 19930326
EP 1039680	P	20000927 EP AC	DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 562875 P
EP 1039680	P	20000927 EP AK	DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)
			AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
EP 1039680	P	20000927 EP A2	PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)
EP 1039680	P	20000927 EP 17P	REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 20000712
EP 1039680	P	20001206 EP AK	DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)
			AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

EP 1039680 P 20001206 EP A3 SEPARATE PUBLICATION OF THE  
SEARCH REPORT (ART. 93) (GESONDERTE  
VEROEFFENTLICHUNG DES RECHERCHENBERICHTS  
(ART. 93))

EP 1039681 P 19920326 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9267934 A 19920326  
EP 1039681 P 19920925 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 92256070 A 19920925  
EP 1039681 P 19930326 EP AA DIVIDED OUT OF  
(AUSSCHEIDUNG AUS)  
EP 93302369 A3 19930326

EP 1039681 P 19930326 EP AE EP-APPLICATION  
(EUROPAEISCHE ANMELDUNG)  
EP 2000114701 A 19930326

EP 1039681 P 20000927 EP AC DIVISIONAL APPLICATION (ART.  
76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
EP 562875 P

EP 1039681 P 20000927 EP AK DESIGNATED CONTRACTING  
STATES IN AN APPLICATION WITHOUT SEARCH  
REPORT: (IN EINER ANMELDUNG OHNE  
RECHERCHENBERICHT BENANNT VERTRAGSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
PT SE

EP 1039681 P 20000927 EP A2 PUBLICATION OF APPLICATION  
WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER  
ANMELDUNG OHNE RECHERCHENBERICHT)

EP 1039681 P 20000927 EP 17P REQUEST FOR EXAMINATION  
FILED (PRUEFUNGSANTRAG GESTELLT)  
20000712

EP 1039681 P 20001206 EP AK DESIGNATED CONTRACTING  
STATES IN A SEARCH REPORT: (IN EINEM  
RECHERCHENBERICHT BENANNT VERTRAGSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
PT SE

EP 1039681 P 20001206 EP A3 SEPARATE PUBLICATION OF THE  
SEARCH REPORT (ART. 93) (GESONDERTE  
VEROEFFENTLICHUNG DES RECHERCHENBERICHTS  
(ART. 93))

EP 1039681 P 20001206 EP RIC1 CLASSIFICATION (CORRECTION)  
(KLASSIFIKATION (KORR.))  
7H 04L 1/00 A, 7H 04L 27/02 B, 7H 04L 27/18  
B, 7H 04L 27/26 B, 7H 04L 27/34 B, 7H 04N  
7/24 B

EP 1039682 P 19920326 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9267934 A 19920326  
EP 1039682 P 19920925 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 92256070 A 19920925  
EP 1039682 P 19930326 EP AA DIVIDED OUT OF  
(AUSSCHEIDUNG AUS)  
EP 93302369 A3 19930326

EP 1039682 P 19930326 EP AE EP-APPLICATION  
(EUROPAEISCHE ANMELDUNG)  
EP 2000114702 A 19930326

EP 1039682 P 20000927 EP AC DIVISIONAL APPLICATION (ART.  
76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
EP 562875 P

EP 1039682 P 20000927 EP AK DESIGNATED CONTRACTING  
STATES IN AN APPLICATION WITHOUT SEARCH

REPORT: (IN EINER ANMELDUNG OHNE  
RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
PT SE

EP 1039682 P 20000927 EP A2 PUBLICATION OF APPLICATION  
WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER  
ANMELDUNG OHNE RECHERCHENBERICHT)

EP 1039682 P 20000927 EP 17P REQUEST FOR EXAMINATION  
FILED (PRUEFUNGSANTRAG GESTELLT)  
20000712

EP 1039682 P 20001206 EP AK DESIGNATED CONTRACTING  
STATES IN A SEARCH REPORT: (IN EINEM  
RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
PT SE

EP 1039682 P 20001206 EP A3 SEPARATE PUBLICATION OF THE  
SEARCH REPORT (ART. 93) (GESONDERTE  
VEROEFFENTLICHUNG DES RECHERCHENBERICHTS  
(ART. 93))

EP 1045541 P 19920326 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9267934 A 19920326

EP 1045541 P 19920925 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 92256070 A 19920925

EP 1045541 P 19930326 EP AA DIVIDED OUT OF  
(AUSSCHEIDUNG AUS)

EP 93302369 A3 19930326

EP 1045541 P 19930326 EP AE EP-APPLICATION  
(EUROPAEISCHE ANMELDUNG)

EP 2000114700 A 19930326

EP 1045541 P 20001018 EP AC DIVISIONAL APPLICATION (ART.  
76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
EP 562875 P

EP 1045541 P 20001018 EP AK DESIGNATED CONTRACTING  
STATES IN AN APPLICATION WITHOUT SEARCH  
REPORT: (IN EINER ANMELDUNG OHNE  
RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
PT SE

EP 1045541 P 20001018 EP A2 PUBLICATION OF APPLICATION  
WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER  
ANMELDUNG OHNE RECHERCHENBERICHT)

EP 1045541 P 20001018 EP 17P REQUEST FOR EXAMINATION  
FILED (PRUEFUNGSANTRAG GESTELLT)  
20000712

EP 1045541 P 20001206 EP AK DESIGNATED CONTRACTING  
STATES IN A SEARCH REPORT: (IN EINEM  
RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
PT SE

EP 1045541 P 20001206 EP A3 SEPARATE PUBLICATION OF THE  
SEARCH REPORT (ART. 93) (GESONDERTE  
VEROEFFENTLICHUNG DES RECHERCHENBERICHTS  
(ART. 93))

EP 1049282 P 19920925 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 92256070 A 19920925

EP 1049282 P 19930325 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 1049282 P JP 9366461 A 19930325  
 19930510 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 JP 93132984 A 19930510  
 EP 1049282 P 19930924 EP AA DIVIDED OUT OF  
 (AUSSCHEIDUNG AUS)  
 EP 93307575 A3 19930924  
 EP 1049282 P 19930924 EP AE EP-APPLICATION  
 (EUROPAEISCHE ANMELDUNG)  
 EP 2000114574 A 19930924  
 EP 1049282 P 20001102 EP AC DIVISIONAL APPLICATION (ART.  
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
 EP 589709 P  
 EP 1049282 P 20001102 EP AK DESIGNATED CONTRACTING  
 STATES IN AN APPLICATION WITHOUT SEARCH  
 REPORT: (IN EINER ANMELDUNG OHNE  
 RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)  
 AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
 PT SE  
 EP 1049282 P 20001102 EP A2 PUBLICATION OF APPLICATION  
 WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER  
 ANMELDUNG OHNE RECHERCHENBERICHT)  
 EP 1049282 P 20001102 EP 17P REQUEST FOR EXAMINATION  
 FILED (PRUEFUNGSANTRAG GESTELLT)  
 20000712  
 EP 1049282 P 20001206 EP AK DESIGNATED CONTRACTING  
 STATES IN A SEARCH REPORT: (IN EINEM  
 RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)  
 AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
 PT SE  
 EP 1049282 P 20001206 EP A3 SEPARATE PUBLICATION OF THE  
 SEARCH REPORT (ART. 93) (GESONDERTE  
 VEROEFFENTLICHUNG DES RECHERCHENBERICHTS  
 (ART. 93))  
 EP 1049282 P 20001206 EP RIC1 CLASSIFICATION (CORRECTION)  
 (KLASSIFIKATION (KORR.))  
 7H 04L 27/02 A, 7H 04L 27/18 B, 7H 04L 27/26  
 B, 7H 04L 27/34 B, 7H 04L 27/38 B, 7H 04N  
 7/24 B  
 EP 1049283 P 19920326 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 JP 9267934 A 19920326  
 EP 1049283 P 19920925 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 JP 92256070 A 19920925  
 EP 1049283 P 19930326 EP AA DIVIDED OUT OF  
 (AUSSCHEIDUNG AUS)  
 EP 93302369 A3 19930326  
 EP 1049283 P 19930326 EP AE EP-APPLICATION  
 (EUROPAEISCHE ANMELDUNG)  
 EP 2000114693 A 19930326  
 EP 1049283 P 20001102 EP AC DIVISIONAL APPLICATION (ART.  
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
 EP 562875 P  
 EP 1049283 P 20001102 EP AK DESIGNATED CONTRACTING  
 STATES IN AN APPLICATION WITHOUT SEARCH  
 REPORT: (IN EINER ANMELDUNG OHNE  
 RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)  
 AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
 PT SE  
 EP 1049283 P 20001102 EP A2 PUBLICATION OF APPLICATION  
 WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER

ANMELDUNG OHNE RECHERCHENBERICHT)

EP 1049283 P 20001102 EP 17P REQUEST FOR EXAMINATION  
FILED (PRUEFUNGSANTRAG GESTELLT)  
20000712

EP 1049283 P 20001206 EP AK DESIGNATED CONTRACTING  
STATES IN A SEARCH REPORT: (IN EINEM  
RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)  
AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
PT SE

EP 1049283 P 20001206 EP A3 SEPARATE PUBLICATION OF THE  
SEARCH REPORT (ART. 93) (GESONDERTE  
VEROEFFENTLICHUNG DES RECHERCHENBERICHTS  
(ART. 93))

EP 1049284 P 19920326 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9267934 A 19920326

EP 1049284 P 19920925 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 92256070 A 19920925

EP 1049284 P 19930326 EP AA DIVIDED OUT OF  
(AUSSCHEIDUNG AUS)  
EP 93302369 A3 19930326

EP 1049284 P 19930326 EP AE EP-APPLICATION  
(EUROPAEISCHE ANMELDUNG)  
EP 2000114695 A 19930326

EP 1049284 P 20001102 EP AC DIVISIONAL APPLICATION (ART.  
76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
EP 562875 P

EP 1049284 P 20001102 EP AK DESIGNATED CONTRACTING  
STATES IN AN APPLICATION WITHOUT SEARCH  
REPORT: (IN EINER ANMELDUNG OHNE  
RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
PT SE

EP 1049284 P 20001102 EP A2 PUBLICATION OF APPLICATION  
WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER  
ANMELDUNG OHNE RECHERCHENBERICHT)

EP 1049284 P 20001102 EP 17P REQUEST FOR EXAMINATION  
FILED (PRUEFUNGSANTRAG GESTELLT)  
20000712

EP 1049284 P 20001206 EP AK DESIGNATED CONTRACTING  
STATES IN A SEARCH REPORT: (IN EINEM  
RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL  
PT SE

EP 1049284 P 20001206 EP A3 SEPARATE PUBLICATION OF THE  
SEARCH REPORT (ART. 93) (GESONDERTE  
VEROEFFENTLICHUNG DES RECHERCHENBERICHTS  
(ART. 93))

EP 1049334 P 19910327 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9162798 A 19910327

EP 1049334 P 19910425 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9195813 A 19910425

EP 1049334 P 19910529 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 91155650 A 19910529

EP 1049334 P 19910723 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 1049334 P JP 91182236 A 19910723  
 19920317 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 JP 9260739 A 19920317  
 EP 1049334 P 19920326 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS)  
 EP 92302627 A3 19920326  
 EP 1049334 P 19920326 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS)  
 EP 96119060 A3 19920326  
 EP 1049334 P 19920326 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG)  
 EP 2000114691 A 19920326  
 EP 1049334 P 20001102 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
 EP 506400 P  
 EP 1049334 P 20001102 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
 EP 766478 P  
 EP 1049334 P 20001102 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNTEN VERTRAGSSTAATEN)  
 DE FR GB NL  
 EP 1049334 P 20001102 EP A1 PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)  
 EP 1049334 P 20001102 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)  
 20000715  
 EP 1049334 P 20001220 EP K1C1 CORRECTION OF PATENT APPLICATION (TITLE PAGE) PUBLISHED (BERICHTIGUNG DER PATENTANMELDUNG (TITELSEITE) ERSCHIENEN)  
 20001102  
 EP 1049334 P 20001220 EP RPR1 PRIORITY (CORRECTION) (PRIORITAET (KORR.))  
 JP 19910327 6279891 ; JP 19910425 9581391 ;  
 JP 19910529 15565091 ; JP 19910723 18223691 ;  
 JP 19920317 6073992  
 EP 1050879 P 19930727 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 JP 93205682 A 19930727  
 EP 1050879 P 19931102 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 JP 93297504 A 19931102  
 EP 1050879 P 19931119 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 JP 93314114 A 19931119  
 EP 1050879 P 19940418 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 JP 94104879 A 19940418  
 EP 1050879 P 19940707 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
 JP 94156089 A 19940707  
 EP 1050879 P 19940727 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS)  
 EP 94305557 A3 19940727  
 EP 1050879 P 19940727 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG)  
 EP 2000115017 A 19940727  
 EP 1050879 P 20001108 EP AC DIVISIONAL APPLICATION (ART.

76) OF: (TEILANMELDUNG (ART. 76) AUS:)

EP 637016 P

EP 1050879 P 20001108 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

BE CH DE FR GB IT LI NL

EP 1050879 P 20001108 EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)

JAPAN (JP)

Patent (No,Kind,Date): JP 5250756 A2 19930928

RECODER/REPRODUCER (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD

Author (Inventor): OSHIMA MITSUAKI

Priority (No,Kind,Date): JP 9250328 A 19920309

Applic (No,Kind,Date): JP 9250328 A 19920309

IPC: \* G11B-013/04; G11B-013/00

JAPIO Reference No: ; 180014P000119

Language of Document: Japanese

Patent (No,Kind,Date): JP 5307788 A2 19931119

RECORDING AND REPRODUCING DEVICE (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD

Author (Inventor): OSHIMA MITSUAKI

Priority (No,Kind,Date): JP 92111176 A 19920430

Applic (No,Kind,Date): JP 92111176 A 19920430

IPC: \* G11B-013/04; G11B-013/00

JAPIO Reference No: ; 180121P000165

Language of Document: Japanese

Patent (No,Kind,Date): JP 5327807 A2 19931210

TRANSMITTER (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD

Author (Inventor): OSHIMA MITSUAKI

Priority (No,Kind,Date): JP 9162798 A1 19910327; JP 9195813 A1 19910425; JP 91155650 A1 19910529; JP 91182236 A1 19910723; JP 9260739 A1 19920317

Applic (No,Kind,Date): JP 9268935 A 19920327

IPC: \* H04L-027/36; H04J-003/00; H04J-011/00; H04L-027/38; H04N-007/00 ; H04N-007/13; H04N-007/20

JAPIO Reference No: ; 180152E000002

Language of Document: Japanese

Patent (No,Kind,Date): JP 6036387 A2 19940210

RECORDING/REPRODUCING DEVICE (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD

Author (Inventor): OSHIMA MITSUAKI

Priority (No,Kind,Date): JP 92194450 A 19920722

Applic (No,Kind,Date): JP 92194450 A 19920722

IPC: \* G11B-013/04; G11B-013/00

JAPIO Reference No: ; 180264P000063

Language of Document: Japanese

Patent (No,Kind,Date): JP 6164665 A2 19940610

TRANSMITTER (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD

Author (Inventor): OSHIMA MITSUAKI

Priority (No,Kind,Date): JP 9368545 A 19930326; JP 9267934 A 19920326; JP 92256070 A 19920925

Applic (No,Kind,Date): JP 9368545 A 19930326

IPC: \* H04L-027/36; H04L-027/38; H04L-027/00; H04N-005/40; H04N-007/00 ; H04N-007/20; H04N-011/04

Derwent WPI Acc No: \* G 93-305235; G 94-103292

JAPIO Reference No: \* 180486E000144; 180486E000144

Language of Document: Japanese

Patent (No,Kind,Date): JP 6180888 A2 19940628

RECORDING AND REPRODUCING DEVICE (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD

Author (Inventor): OSHIMA MITSUAKI

Priority (No,Kind,Date): JP 9334656 A 19930128; JP 9213809 A 19920129; JP 9268031 A 19920326; JP 92280874 A 19920925  
Applc (No,Kind,Date): JP 9334656 A 19930128  
IPC: \* G11B-013/00; G11B-013/04; G11B-011/10  
Derwent WPI Acc No: \* G 93-251292; G 93-313529  
JAPIO Reference No: \* 180522P000136; 180522P000136  
Language of Document: Japanese

Patent (No,Kind,Date): JP 6231509 A2 19940819  
RECORDING/REPRODUCING APPARATUS (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): OSHIMA MITSUAKI; KAMIKADO TOSHIKAZU; TANAKA MICHIRO ; SHIMIZU RYOSUKE  
Priority (No,Kind,Date): JP 9363428 A 19930226; JP 9242558 A 19920228; JP 92282666 A 19921021; JP 92331300 A 19921211  
Applc (No,Kind,Date): JP 9363428 A 19930226  
IPC: \* G11B-013/04; G11B-005/127; G11B-005/82; G11B-013/00; G11B-023/40  
Derwent WPI Acc No: \* G 93-251292; G 93-313529  
JAPIO Reference No: \* 180618P000070; 180618P000070  
Language of Document: Japanese

Patent (No,Kind,Date): JP 6231510 A2 19940819  
RECORDING/REPRODUCING APPARATUS (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): OSHIMA MITSUAKI; KAMIKADO TOSHIKAZU; TANAKA MICHIRO ; SHIMIZU RYOSUKE  
Priority (No,Kind,Date): JP 9392247 A 19930326; JP 9268031 A 19920326; JP 92280874 A 19920925; JP 92282666 A 19921021; JP 92331300 A 19921211  
Applc (No,Kind,Date): JP 9392247 A 19930326  
IPC: \* G11B-013/04; G11B-005/127; G11B-005/82; G11B-013/00; G11B-023/40  
Derwent WPI Acc No: \* G 93-251292; G 93-313529  
JAPIO Reference No: \* 180522P000136; 180618P000070; 180618P000070  
Language of Document: Japanese

Patent (No,Kind,Date): JP 7093962 A2 19950407  
INFORMATION RECORDING AND REPRODUCING APPARATUS (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): OSHIMA MITSUAKI; TAN SATOSHI; KUWAMOTO MAKOTO  
Priority (No,Kind,Date): JP 93300723 A 19931201; JP 92321063 A 19921201; JP 938596 A 19930121; JP 93205682 A 19930727  
Applc (No,Kind,Date): JP 93300723 A 19931201  
IPC: \* G11B-033/02; G11B-017/04; G11B-025/10  
Derwent WPI Acc No: \* C 94-236841; G 93-313529; G 94-242360; G 94-250560; G 95-116722  
Language of Document: Japanese

Patent (No,Kind,Date): JP 7099522 A2 19950411  
TRANSMITTER (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): OSHIMA MITSUAKI  
Priority (No,Kind,Date): JP 93261611 A 19930924; JP 92256070 A 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510  
Applc (No,Kind,Date): JP 93261611 A 19930924  
IPC: \* H04L-027/34; H04B-001/66; H04B-014/04  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 94-311606; G 94-342258  
JAPIO Reference No: \* 180486E000144  
Language of Document: Japanese

Patent (No,Kind,Date): JP 7235097 A2 19950905  
RECORDING AND REPRODUCING DEVICE (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): OSHIMA MITSUAKI; SHIMIZU RYOSUKE; TANAKA MICHIRO; YOSHIURA TSUKASA  
Priority (No,Kind,Date): JP 93351425 A 19931228; JP 938596 A 19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A 19931119; JP 93333874 A 19931227; JP 93333392 A 19931227; JP 93333403 A 19931227; JP 93349972 A 19931227  
Applc (No,Kind,Date): JP 93351425 A 19931228

IPC: \* G11B-013/04; G11B-005/02  
Derwent WPI Acc No: \* C 94-236841; G 93-313529; G 94-242360; G 94-250560; G 94-342258; G 95-116722; G 95-341616  
Language of Document: Japanese  
Patent (No,Kind,Date): JP 7235098 A2 19950905  
INFORMATION RECORDING MEDIUM AND ITS MANUFACTURE (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): OSHIMA MITSUAKI; KOMODA HIDEAKI  
Priority (No,Kind,Date): JP 93351426 A 19931228; JP 938596 A 19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP 9391011 A 19930419; JP 93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A 19931119; JP 93333855 A 19931227  
Applic (No,Kind,Date): JP 93351426 A 19931228  
IPC: \* G11B-013/04; B42D-015/10; G06K-019/06; G11B-023/40  
Derwent WPI Acc No: \* C 94-236841; G 93-313529; G 94-242360; G 94-250560; G 95-116722; G 95-341616; G 95-341616  
Language of Document: Japanese  
Patent (No,Kind,Date): JP 7235099 A2 19950905  
RECORDING AND REPRODUCING DEVICE (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): OSHIMA MITSUAKI; SHIMIZU RYOSUKE; TANAKA MICHIRO; YOSHIURA TSUKASA; KAMIKADO TOSHIKAZU; TAN SATOSHI  
Priority (No,Kind,Date): JP 9422135 A 19940121; JP 938596 A 19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A 19931119; JP 93333874 A 19931227; JP 93333392 A 19931227; JP 93333403 A 19931227; JP 93349972 A 19931227  
Applic (No,Kind,Date): JP 9422135 A 19940121  
IPC: \* G11B-013/04; G11B-020/12; G11B-020/18  
Derwent WPI Acc No: \* C 94-236841; G 93-313529; G 94-242360; G 94-250560; G 95-342258; G 95-116722; G 95-341616  
Language of Document: Japanese  
Patent (No,Kind,Date): JP 7249227 A2 19950926  
RECORDING AND REPRODUCING DEVICE (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): OSHIMA MITSUAKI  
Priority (No,Kind,Date): JP 94195853 A 19940727; JP 93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A 19931119; JP 93349972 A 19931227; JP 9422191 A 19940120  
Applic (No,Kind,Date): JP 94195853 A 19940727  
IPC: \* G11B-007/00; G11B-007/007; G11B-013/04  
Derwent WPI Acc No: \* C 94-236841; G 94-242360; G 94-342258; G 95-116722; G 95-246541; G 95-341616; G 96-062972; G 98-181451  
Language of Document: Japanese  
Patent (No,Kind,Date): JP 7264148 A2 19951013  
TRANSMITTER (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): OSHIMA MITSUAKI  
Priority (No,Kind,Date): JP 9479668 A 19940324  
Applic (No,Kind,Date): JP 9479668 A 19940324  
IPC: \* H04H-001/00; H04N-007/01; H04N-007/24  
Derwent WPI Acc No: \* G 95-387959; G 95-387959  
Language of Document: Japanese  
Patent (No,Kind,Date): JP 7320333 A2 19951208  
RECORDING/REPRODUCING APPARATUS AND RECORDING MEDIUM AND ITS MANUFACTURE (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): OSHIMA MITSUAKI; KOMODA HIDEAKI  
Priority (No,Kind,Date): JP 9422158 A 19940121; JP 938596 A 19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A 19931119; JP 93333855 A 19931227  
Applic (No,Kind,Date): JP 9422158 A 19940121  
IPC: \* G11B-013/04; B42D-015/10; G06K-019/06; G11B-023/30  
Derwent WPI Acc No: \* C 94-236841; G 93-313529; G 94-242360; G 94-250560; G 95-116722; G 95-341616; G 96-062972; G 96-062972  
Language of Document: Japanese  
Patent (No,Kind,Date): JP 7322219 A2 19951208

TRANSMITTER (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD

Author (Inventor): OSHIMA MITSUAKI

Priority (No,Kind,Date): JP 9479432 A 19940325; JP 9366461 A 19930325; JP 93132984 A 19930510; JP 93261612 A 19930924; JP 93349972 A 19931227

Applc (No,Kind,Date): JP 9479432 A 19940325

IPC: \* H04N-007/015; H04N-007/20

Derwent WPI Acc No: \* G 94-103292; G 94-311606; G 94-342258

Language of Document: Japanese

Patent (No,Kind,Date): JP 8212560 A2 19960820

OPTICAL RECORDING MEDIUM AND OPTICAL DISK REPRODUCING DEVICE (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD

Author (Inventor): UENO FUMIAKI; OSHIMA MITSUAKI

Priority (No,Kind,Date): JP 94327805 A 19941228; JP 93335165 A 19931228; JP 9422191 A 19940120; JP 94104879 A 19940418; JP 94156089 A 19940707; JP 94299508 A 19941202

Applc (No,Kind,Date): JP 94327805 A 19941228

IPC: \* G11B-007/007; B41M-005/26; G11B-007/00; G11B-007/24; G11B-007/26; G11B-013/04; G11B-019/04; G11B-020/10

Derwent WPI Acc No: \* G 95-116722; G 95-246541; G 95-373939

Language of Document: Japanese

Patent (No,Kind,Date): JP 8212681 A2 19960820

RECORDING/REPRODUCING DEVICE (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD

Author (Inventor): GOTOU YOSHITOSHI; OSHIMA MITSUAKI

Priority (No,Kind,Date): JP 9516865 A 19950203

Applc (No,Kind,Date): JP 9516865 A 19950203

IPC: \* G11B-019/04; G11B-007/00; G11B-013/04; G11B-019/02; G11B-020/10

Derwent WPI Acc No: \* G 95-373939

Language of Document: Japanese

Patent (No,Kind,Date): JP 8273164 A2 19961018

RECORDING AND REPRODUCING DEVICE (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD

Author (Inventor): OSHIMA MITSUAKI; GOTOU YOSHITOSHI

Priority (No,Kind,Date): JP 9592116 A 19950418; JP 94104879 A 19940418; JP 94283415 A 19941117; JP 94327963 A 19941228; JP 9515318 A 19950201; JP 9516153 A 19950202

Applc (No,Kind,Date): JP 9592116 A 19950418

IPC: \* G11B-007/00; G11B-007/007; G11B-007/24; G11B-007/26; G11B-013/04; G11B-019/04; G11B-020/10

Derwent WPI Acc No: \* G 95-116722; G 95-246541; G 95-373939; G 96-268785

Language of Document: Japanese

Patent (No,Kind,Date): JP 10233019 A2 19980902

OPTICAL DISK, OPTICAL DISK MANUFACTURING DEVICE AND OPTICAL DISK REPRODUCING DEVICE (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD

Author (Inventor): KONISHI SHINICHI; OSHIMA MITSUAKI; TANAKA SHINICHI; KOISHI KENJI; MORIYA MITSURO; GOTOU YOSHITOSHI; TAKEMURA YOSHIYA

Priority (No,Kind,Date): JP 979318 A 19970122; JP 968110 A 19960122; JP 968910 A 19960123; JP 96339304 A 19961219; JP 96211304 A 19960809

Applc (No,Kind,Date): JP 979318 A 19970122

IPC: \* G11B-007/00; G11B-007/007; G11B-007/24; G11B-020/10

Derwent WPI Acc No: \* G 97-236117; G 97-236119; G 98-363034

Language of Document: Japanese

Patent (No,Kind,Date): JP 11162031 A2 19990618

OPTICAL DISK, METHOD FOR RECORDING/REPRODUCING OPTICAL DISK DRAW INFORMATION, OPTICAL DISK REPRODUCING DEVICE, OPTICAL DISK RECORDING/REPRODUCING DEVICE, OPTICAL DISK DRAW INFORMATION RECORDER AND OPTICAL DISK RECORDER (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD

Author (Inventor): MIYATAKE NORIO; MURAKAMI MOTOYOSHI; OSHIMA MITSUAKI

Priority (No,Kind,Date): JP 97351243 A 19971219; JP 96339304 A 19961219; JP 97259110 A 19970924

Applc (No,Kind,Date): JP 97351243 A 19971219

IPC: \* G11B-011/10; G11B-007/00; G11B-007/007; G11B-007/24;

G11B-013/00; G11B-020/10  
Derwent WPI Acc No: \* G 98-363034  
Language of Document: Japanese  
Patent (No,Kind,Date): JP 2000032074 A2 20000128  
TRANSMITTER, RECEIVER, TRANSMISSION DEVICE, TRANSMISSION METHOD AND  
RECEPTION METHOD (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): OSHIMA MITSUAKI  
Priority (No,Kind,Date): JP 99169243 A 19990616; JP 9162798 A  
19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP  
91182236 A 19910723; JP 9260739 A 19920317  
Aplic (No,Kind,Date): JP 99169243 A 19990616  
IPC: \* H04L-027/36; H04J-003/00; H04L-027/38; H04N-007/015;  
H04N-007/20  
Derwent WPI Acc No: \* G 92-325674; G 97-195354; G 2000-108239; G  
2000-118426; G 2000-184726; G 2000-184727; G 2000-184728; G  
2000-184729; G 2000-184730; G 2000-184731  
JAPIO Reference No: \* 180152E000002  
Language of Document: Japanese  
Patent (No,Kind,Date): JP 2000032075 A2 20000128  
TRANSMITTER, RECEIVER, TRANSMISSION DEVICE, TRANSMISSION METHOD AND  
RECEPTION METHOD (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): OSHIMA MITSUAKI  
Priority (No,Kind,Date): JP 99169244 A 19990616; JP 9162798 A  
19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP  
91182236 A 19910723; JP 9260739 A 19920317  
Aplic (No,Kind,Date): JP 99169244 A 19990616  
IPC: \* H04L-027/36; H04J-003/00; H04L-027/38; H04N-007/015;  
H04N-007/20  
Derwent WPI Acc No: \* G 92-325674; G 97-195354; G 2000-108239; G  
2000-118426; G 2000-184726; G 2000-184727; G 2000-184728; G  
2000-184729; G 2000-184730; G 2000-184731  
JAPIO Reference No: \* 180152E000002  
Language of Document: Japanese  
Patent (No,Kind,Date): JP 2000032076 A2 20000128  
TRANSMITTER, RECEIVER, TRANSMISSION DEVICE, TRANSMISSION METHOD AND  
RECEPTION METHOD (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): OSHIMA MITSUAKI  
Priority (No,Kind,Date): JP 99169245 A 19990616; JP 9162798 A  
19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP  
91182236 A 19910723; JP 9260739 A 19920317  
Aplic (No,Kind,Date): JP 99169245 A 19990616  
IPC: \* H04L-027/36; H04J-003/00; H04L-027/38; H04N-007/015;  
H04N-007/20  
Derwent WPI Acc No: \* G 92-325674; G 97-195354; G 2000-108239; G  
2000-118426; G 2000-184726; G 2000-184727; G 2000-184728; G  
2000-184729; G 2000-184730; G 2000-184731  
JAPIO Reference No: \* 180152E000002  
Language of Document: Japanese  
Patent (No,Kind,Date): JP 2000032077 A2 20000128  
TRANSMITTER, RECEIVER, TRANSMISSION DEVICE, TRANSMISSION METHOD AND  
RECEPTION METHOD (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): OSHIMA MITSUAKI  
Priority (No,Kind,Date): JP 99169246 A 19990616; JP 9162798 A  
19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP  
91182236 A 19910723; JP 9260739 A 19920317  
Aplic (No,Kind,Date): JP 99169246 A 19990616  
IPC: \* H04L-027/36; H04J-003/00; H04L-027/38; H04N-007/015;  
H04N-007/20  
Derwent WPI Acc No: \* G 92-325674; G 97-195354; G 2000-108239; G  
2000-118426; G 2000-184726; G 2000-184727; G 2000-184728; G  
2000-184729; G 2000-184730; G 2000-184731  
JAPIO Reference No: \* 180152E000002  
Language of Document: Japanese  
Patent (No,Kind,Date): JP 2000032078 A2 20000128

TRANSMITTER, RECEIVER, TRANSMISSION DEVICE, TRANSMISSION METHOD AND RECEPTION METHOD (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD

Author (Inventor): OSHIMA MITSUAKI

Priority (No,Kind,Date): JP 99169247 A 19990616; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317

Applic (No,Kind,Date): JP 99169247 A 19990616

IPC: \* H04L-027/36; H04L-027/38; H04N-007/015; H04N-007/20

Derwent WPI Acc No: \* G 92-325674; G 97-195354; G 2000-108239; G 2000-118426; G 2000-184726; G 2000-184727; G 2000-184728; G 2000-184729; G 2000-184730; G 2000-184731

JAPIO Reference No: \* 180152E000002

Language of Document: Japanese

Patent (No,Kind,Date): JP 2000032079 A2 20000128

TRANSMITTER, RECEIVER, TRANSMISSION DEVICE, TRANSMISSION METHOD AND RECEPTION METHOD (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD

Author (Inventor): OSHIMA MITSUAKI

Priority (No,Kind,Date): JP 99169248 A 19990616; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317

Applic (No,Kind,Date): JP 99169248 A 19990616

IPC: \* H04L-027/36; H04J-003/00; H04L-027/38; H04N-007/015; H04N-007/20

Derwent WPI Acc No: \* G 92-325674; G 97-195354; G 2000-108239; G 2000-118426; G 2000-184726; G 2000-184727; G 2000-184728; G 2000-184729; G 2000-184730; G 2000-184731

JAPIO Reference No: \* 180152E000002

Language of Document: Japanese

Patent (No,Kind,Date): JP 2000076659 A2 20000314

OPTICAL DISK AND OPTICAL DISK REPRODUCING DEVICE (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD

Author (Inventor): GOTOYOSHITOSHI; OSHIMA MITSUAKI; TANAKA SHINICHI; KOISHI KENJI; MORIYA MITSURO

Priority (No,Kind,Date): JP 99257252 A 19990910; JP 95261247 A 19951009; JP 968910 A 19960123

Applic (No,Kind,Date): JP 99257252 A 19990910

IPC: \* G11B-007/007; G11B-019/04; G11B-020/10

Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119

Language of Document: Japanese

Patent (No,Kind,Date): JP 2000076662 A2 20000314

OPTICAL DISK REPRODUCING DEVICE, OPTICAL DISK AND MANUFACTURE OF OPTICAL DISK (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD

Author (Inventor): GOTOYOSHITOSHI; OSHIMA MITSUAKI; TANAKA SHINICHI; KOISHI KENJI; MORIYA MITSURO

Priority (No,Kind,Date): JP 99257248 A 19990910; JP 95261247 A 19951009; JP 968910 A 19960123

Applic (No,Kind,Date): JP 99257248 A 19990910

IPC: \* G11B-007/085; G11B-007/004; G11B-007/24; G11B-019/04; G11B-020/10

Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119

Language of Document: Japanese

Patent (No,Kind,Date): JP 2000076705 A2 20000314

OPTICAL DISK AND OPTICAL DISK REPRODUCING DEVICE (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD

Author (Inventor): GOTOYOSHITOSHI; OSHIMA MITSUAKI; TANAKA SHINICHI; KOISHI KENJI; MORIYA MITSURO

Priority (No,Kind,Date): JP 99257245 A 19990910; JP 95261247 A 19951009; JP 968910 A 19960123

Applic (No,Kind,Date): JP 99257245 A 19990910

IPC: \* G11B-007/24; G11B-019/04; G11B-020/10; G11B-027/28

Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119

Language of Document: Japanese

Patent (No,Kind,Date): JP 2000076791 A2 20000314

OPTICAL DISK, OPTICAL DISK RECORDING METHOD AND OPTICAL DISK REPRODUCING DEVICE (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): GOTO YOSHITOSHI; OSHIMA MITSUAKI; TANAKA SHINICHI;  
KOISHI KENJI; MORIYA MITSURO  
Priority (No,Kind,Date): JP 99257247 A 19990910; JP 95261247 A  
19951009; JP 968910 A 19960123  
Applc (No,Kind,Date): JP 99257247 A 19990910  
IPC: \* G11B-020/10; G11B-007/007; G11B-020/12; G11B-020/18  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: Japanese

Patent (No,Kind,Date): JP 2000078222 A2 20000314  
TRANSMITTER, RECEIVER, TRANSMITTING DEVICE, TRANSMISSION METHOD AND  
RECEPTION METHOD (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): OSHIMA MITSUAKI  
Priority (No,Kind,Date): JP 99200091 A 19990714; JP 9162798 A  
19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP  
91182236 A 19910723; JP 9260739 A 19920317  
Applc (No,Kind,Date): JP 99200091 A 19990714  
IPC: \* H04L-027/34; H04J-003/00; H04J-015/00; H04L-027/36; H04L-027/38  
; H04N-007/08; H04N-007/081  
Derwent WPI Acc No: \* G 92-325674; G 97-195354; G 2000-108239; G  
2000-118426; G 2000-184726; G 2000-184727; G 2000-184728; G  
2000-184729; G 2000-184730; G 2000-184731  
JAPIO Reference No: \* 180152E000002  
Language of Document: Japanese

Patent (No,Kind,Date): JP 2000106579 A2 20000411  
TRANSMITTER, RECEIVER AND TRANSMISSION DEVICE (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): OSHIMA MITSUAKI  
Priority (No,Kind,Date): JP 99289582 A 19991012; JP 9162798 A  
19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP  
91182236 A 19910723; JP 9260739 A 19920317  
Applc (No,Kind,Date): JP 99289582 A 19991012  
IPC: \* H04L-027/36; H04L-027/38; H04N-005/44; H04N-007/24  
Derwent WPI Acc No: \* G 92-325674; G 97-195354; G 2000-108239; G  
2000-118426; G 2000-184726; G 2000-184727; G 2000-184728; G  
2000-184729; G 2000-184730; G 2000-184731  
JAPIO Reference No: \* 180152E000002  
Language of Document: Japanese

Patent (No,Kind,Date): JP 2000106580 A2 20000411  
TRANSMITTER, RECEIVER AND TRANSMISSION DEVICE (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): OSHIMA MITSUAKI  
Priority (No,Kind,Date): JP 99289583 A 19991012; JP 9162798 A  
19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP  
91182236 A 19910723; JP 9260739 A 19920317  
Applc (No,Kind,Date): JP 99289583 A 19991012  
IPC: \* H04L-027/36; H04L-027/38; H04N-005/44; H04N-007/24  
Derwent WPI Acc No: \* G 92-325674; G 97-195354; G 2000-108239; G  
2000-118426; G 2000-184726; G 2000-184727; G 2000-184728; G  
2000-184729; G 2000-184730; G 2000-184731  
JAPIO Reference No: \* 180152E000002  
Language of Document: Japanese

Patent (No,Kind,Date): JP 2000106581 A2 20000411  
TRANSMITTER, RECEIVER AND TRANSMISSION DEVICE (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): OSHIMA MITSUAKI  
Priority (No,Kind,Date): JP 99289584 A 19991012; JP 9162798 A  
19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP  
91182236 A 19910723; JP 9260739 A 19920317  
Applc (No,Kind,Date): JP 99289584 A 19991012  
IPC: \* H04L-027/36; H04L-027/38; H04N-005/44; H04N-007/24  
Derwent WPI Acc No: \* G 92-325674; G 97-195354; G 2000-108239; G  
2000-118426; G 2000-184726; G 2000-184727; G 2000-184728; G  
2000-184729; G 2000-184730; G 2000-184731  
JAPIO Reference No: \* 180152E000002  
Language of Document: Japanese

Patent (No,Kind,Date): JP 2000106582 A2 20000411

TRANSMITTER, RECEIVER AND TRANSMISSION DEVICE (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): OSHIMA MITSUAKI  
Priority (No,Kind,Date): JP 99289585 A 19991012; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317  
Applc (No,Kind,Date): JP 99289585 A 19991012  
IPC: \* H04L-027/36; H04L-027/38; H04N-005/44; H04N-007/24  
Derwent WPI Acc No: \* G 92-325674; G 97-195354; G 2000-108239; G 2000-118426; G 2000-184726; G 2000-184727; G 2000-184728; G 2000-184729; G 2000-184730; G 2000-184731  
JAPIO Reference No: \* 180152E000002  
Language of Document: Japanese

Patent (No,Kind,Date): JP 2000106583 A2 20000411  
TRANSMITTER, RECEIVER AND TRANSMISSION DEVICE (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): OSHIMA MITSUAKI  
Priority (No,Kind,Date): JP 99289586 A 19991012; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317  
Applc (No,Kind,Date): JP 99289586 A 19991012  
IPC: \* H04L-027/36; H04L-027/38; H04N-005/44; H04N-007/015  
Derwent WPI Acc No: \* G 92-325674; G 97-195354; G 2000-108239; G 2000-118426; G 2000-184726; G 2000-184727; G 2000-184728; G 2000-184729; G 2000-184730; G 2000-184731  
JAPIO Reference No: \* 180152E000002  
Language of Document: Japanese

Patent (No,Kind,Date): JP 2000222729 A2 20000811  
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A 19960123  
Applc (No,Kind,Date): JP 99257251 A 19990910  
IPC: \* G11B-007/004; G11B-020/10  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: Japanese

Patent (No,Kind,Date): JP 2000222739 A2 20000811  
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A 19960123  
Applc (No,Kind,Date): JP 99257250 A 19990910  
IPC: \* G11B-007/005; G11B-020/10  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: Japanese

Patent (No,Kind,Date): JP 2000222743 A2 20000811  
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A 19960123  
Applc (No,Kind,Date): JP 99375209 A 19991228  
IPC: \* G11B-007/007; G11B-007/005; G11B-007/24; G11B-020/10; G11B-020/12  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: Japanese

Patent (No,Kind,Date): JP 2000222782 A2 20000811  
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A 19960123  
Applc (No,Kind,Date): JP 99257246 A 19990910  
IPC: \* G11B-007/24; G11B-007/004; G11B-020/10  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: Japanese

Patent (No,Kind,Date): JP 2000222783 A2 20000811  
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A 19960123  
Applc (No,Kind,Date): JP 99257249 A 19990910  
IPC: \* G11B-007/24; G11B-007/007; G11B-020/10  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: Japanese

Patent (No,Kind,Date): JP 2000228016 A2 20000815  
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809  
Applc (No,Kind,Date): JP 99373899 A 19990101  
IPC: \* G11B-007/007; G06F-012/14; G11B-019/04; G11B-020/10;

G11B-020/12

Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119

Language of Document: Japanese

Patent (No,Kind,Date): JP 2000228062 A2 20000815

Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809

Applic (No,Kind,Date): JP 99373900 A 19990101

IPC: \* G11B-020/10; G06K-019/06; G06K-019/04; G11B-007/0045

Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119

Language of Document: Japanese

Patent (No,Kind,Date): JP 3008651 B2 20000214

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD

Author (Inventor): OOSHIMA MITSUAKI

Priority (No,Kind,Date): JP 9268935 A 19920327; JP 9162798 A1 19910327; JP 9195813 A1 19910425; JP 91155650 A1 19910529; JP 91182236 A1 19910723; JP 9260739 A1 19920317

Applic (No,Kind,Date): JP 9268935 A 19920327

IPC: \* H04L-027/36; H04J-003/00; H04L-027/38; H04N-007/015; H04N-007/20; H04N-007/24

Language of Document: Japanese

Patent (No,Kind,Date): JP 3042780 B2 20000522

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD

Author (Inventor): GOTO YOSHITOSHI; OOSHIMA MITSUAKI; TANAKA SHINICHI; KOISHI KENJI; MORYA MITSURO

Priority (No,Kind,Date): JP 99257245 A 19990910; JP 95261247 A 19951009; JP 968910 A 19960123

Applic (No,Kind,Date): JP 99257245 A 19990910

IPC: \* G11B-007/007; G06K-019/00; G11B-007/004; G11B-007/24; G11B-019/04; G11B-020/10; G11B-023/36; G11B-027/28

Language of Document: Japanese

Patent (No,Kind,Date): JP 3042781 B2 20000522

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD

Author (Inventor): GOTO YOSHITOSHI; OOSHIMA MITSUAKI; TANAKA SHINICHI; KOISHI KENJI; MORYA MITSURO

Priority (No,Kind,Date): JP 99257252 A 19990910; JP 95261247 A 19951009; JP 968910 A 19960123

Applic (No,Kind,Date): JP 99257252 A 19990910

IPC: \* G11B-007/007; G06K-019/00; G11B-007/004; G11B-007/005; G11B-007/24; G11B-019/04; G11B-020/10; G11B-023/36; G11B-027/28

Language of Document: Japanese

Patent (No,Kind,Date): JP 3061053 B2 20000710

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD

Author (Inventor): OOSHIMA MITSUAKI

Priority (No,Kind,Date): JP 99169243 A 19990616; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317

Applic (No,Kind,Date): JP 99169243 A 19990616

IPC: \* H04L-027/36; H04J-003/00; H04L-027/38; H04N-007/015; H04N-007/20

Language of Document: Japanese

Patent (No,Kind,Date): JP 3061054 B2 20000710

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD

Author (Inventor): OOSHIMA MITSUAKI

Priority (No,Kind,Date): JP 99169244 A 19990616; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317

Applic (No,Kind,Date): JP 99169244 A 19990616

IPC: \* H04L-027/36; H04J-003/00; H04L-027/38; H04N-007/015; H04N-007/20

Language of Document: Japanese

Patent (No,Kind,Date): JP 3061055 B2 20000710

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD

Author (Inventor): OOSHIMA MITSUAKI

Priority (No,Kind,Date): JP 99169245 A 19990616; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317

Applic (No,Kind,Date): JP 99169245 A 19990616

IPC: \* H04L-027/36; H04J-003/00; H04L-027/38; H04N-007/015;

H04N-007/20

Language of Document: Japanese  
Patent (No,Kind,Date): JP 3061056 B2 20000710  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): OOSHIMA MITSUAKI  
Priority (No,Kind,Date): JP 99169248 A 19990616; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317  
Applc (No,Kind,Date): JP 99169248 A 19990616  
IPC: \* H04L-027/36; H04J-003/00; H04L-027/38; H04N-007/015;  
H04N-007/20  
Language of Document: Japanese  
Patent (No,Kind,Date): JP 3089599 B2 20000918  
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A 19960123  
Applc (No,Kind,Date): JP 99257246 A 19990910  
IPC: \* G11B-007/24; G11B-007/004; G11B-007/007; G11B-020/10  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: Japanese  
Patent (No,Kind,Date): JP 3089600 B2 20000918  
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A 19960123  
Applc (No,Kind,Date): JP 99257249 A 19990910  
IPC: \* G11B-007/24; G11B-007/007; G11B-020/10  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: Japanese  
Patent (No,Kind,Date): JP 3089601 B2 20000918  
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A 19960123  
Applc (No,Kind,Date): JP 99257250 A 19990910  
IPC: \* G11B-007/005; G11B-020/10  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: Japanese  
Patent (No,Kind,Date): JP 3092620 B2 20000925  
Priority (No,Kind,Date): JP 99169246 A 19990616; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317  
Applc (No,Kind,Date): JP 99169246 A 19990616  
IPC: \* H04L-027/36; H04J-007/00; H04L-027/38; H04N-007/015  
Derwent WPI Acc No: \* G 92-325674; G 97-195354; G 2000-108239; G 2000-118426; G 2000-184726; G 2000-184727; G 2000-184728; G 2000-184729; G 2000-184730; G 2000-184731  
JAPIO Reference No: \* 180152E000002  
Language of Document: Japanese  
Patent (No,Kind,Date): JP 3092621 B2 20000925  
Priority (No,Kind,Date): JP 99169247 A 19990616; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317  
Applc (No,Kind,Date): JP 99169247 A 19990616  
IPC: \* H04L-027/36; H04J-007/00; H04L-027/38; H04N-007/015  
Derwent WPI Acc No: \* G 92-325674; G 97-195354; G 2000-108239; G 2000-118426; G 2000-184726; G 2000-184727; G 2000-184728; G 2000-184729; G 2000-184730; G 2000-184731  
JAPIO Reference No: \* 180152E000002  
Language of Document: Japanese  
Patent (No,Kind,Date): JP 3097914 B2 20001010  
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A 19960123  
Applc (No,Kind,Date): JP 99257251 A 19990910  
IPC: \* G11B-007/004; G11B-007/26; G11B-020/10  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: Japanese  
Patent (No,Kind,Date): JP 3097916 B2 20001010  
Priority (No,Kind,Date): JP 99375208 A 19991228; JP 95261247 A 19951009; JP 968910 A 19960123  
Applc (No,Kind,Date): JP 99375208 A 19991228  
IPC: \* G11B-007/007; G11B-007/24; G11B-020/10; G11B-020/12  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119

Language of Document: Japanese  
Patent (No,Kind,Date): JP 3097917 B2 20001010  
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A 19960123  
Applc (No,Kind,Date): JP 99375209 A 19991228  
IPC: \* G11B-007/007; G11B-007/005; G11B-007/24; G11B-020/10;  
G11B-020/12  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: Japanese

KOREA, REPUBLIC (KR)

Patent (No,Kind,Date): KR 161051 B1 19990115  
COMMUNICATION SYSTEM (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): MITSUAKI OSHIMA (JP)  
Priority (No,Kind,Date): JP 9366461 A 19930325; JP 93132984 A 19930510; JP 93261612 A 19930924; JP 93349972 A 19931227  
Applc (No,Kind,Date): KR 946012 A 19940325  
IPC: \* H04N-007/12  
Derwent WPI Acc No: \* G 94-103292; G 94-311606; G 94-342258  
Language of Document: Korean  
Patent (No,Kind,Date): KR 195398 B1 19990615  
RECORDING/REPRODUCING APPARATUS AND MEDIUM AND PRODUCTION METHOD (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OHSIMA MITSEUAKI (JP); KOMODA HIDEAKI (JP); USIGOME HISASI (JP)  
Priority (No,Kind,Date): JP 938596 A 19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A 19931119  
Applc (No,Kind,Date): KR 941111 A 19940121  
IPC: \* G11B-011/00  
Derwent WPI Acc No: \* C 94-236841; G 93-313529; G 94-242360; G 95-116722; G 95-341616; G 96-062972; G 98-181451  
Language of Document: Korean  
Patent (No,Kind,Date): KR 217013 B1 19991001  
RECORDING AND REPRODUCING APPARATUS (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITZAKI (JP); SHIMIZU RYOOSKI (JP); KOUDO DOSHIKAZ (JP); YOSHIHURA SKASHA (JP); MASURA TAKUMI (JP); DANAKA MICHIRO (JP); DAN SADOSHI (JP)  
Priority (No,Kind,Date): JP 938596 A 19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A 19931119  
Applc (No,Kind,Date): KR 941112 A 19940121  
IPC: \* G11B-011/00  
Derwent WPI Acc No: \* C 94-236841; G 93-313529; G 94-242360; G 95-116722; G 95-341616; G 96-062972; G 98-181451  
Language of Document: Korean  
Patent (No,Kind,Date): KR 237555 B1 20000201  
RECORDING/REPRODUCING APPARATUS (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSIMA MITSUAKI (JP)  
Priority (No,Kind,Date): JP 93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A 19931119; JP 94104879 A 19940418; JP 94156089 A 19940707  
Applc (No,Kind,Date): KR 9418308 A 19940727  
IPC: \* G11B-007/00  
Derwent WPI Acc No: \* C 94-236841; G 94-242360; G 95-116722; G 95-246541; G 95-341616; G 95-373939; G 96-062972; G 98-181451  
Language of Document: Korean  
Patent (No,Kind,Date): KR 9602468 B1 19960217  
TRANSMITTER (English)  
Patent Assignee: MATSUSITA ELECTRIC IND K K (JP)  
Author (Inventor): OOSIMA MITSUAKI (JP)  
Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92256070 A 19920925  
Applc (No,Kind,Date): KR 934766 A 19930326

IPC: \* H04L-027/36  
Derwent WPI Acc No: \* G 93-305235; G 94-103292  
, JAPIO Reference No: \* 180486E000144  
Language of Document: Korean  
Patent (No,Kind,Date): KR 9602703 B1 19960224  
SIGNAL TRANSMISSION SYSTEM (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND K K (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723  
Aplic (No,Kind,Date): KR 924913 A 19920326  
IPC: \* H04N-007/12  
Derwent WPI Acc No: \* G 92-325674  
JAPIO Reference No: \* 180152E000002  
Language of Document: Korean

SINGAPORE (SG)

Patent (No,Kind,Date): SG 5400982 A1 19981221  
RECORDING AND REPRODUCING APPARATUS (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): OSHIMA MITSUAKI; SHIMIZU RYOSUKE; KOUDO TOSHIKAZU; YOSHIURA TSUKASA; MATSUURA TAKUMI; TANAKA MITIRO; TAN SATOSHI  
Priority (No,Kind,Date): JP 938596 A 19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A 19931119  
Aplic (No,Kind,Date): SG 9502048 A 19940119  
IPC: \* G11B-013/04; G11B-020/10; G11B-019/28; G11B-020/18; G11B-021/02 ; G11B-023/00  
Derwent WPI Acc No: \* C 94-236841; G 93-313529; G 94-242360; G 95-116722; G 95-341616; G 96-062972; G 98-181451  
Language of Document: English  
Patent (No,Kind,Date): SG 7100102 A1 20000321  
INFORMATION RECORDING MEDIUM AND METHOD OF FABRICATING THE SAME (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): OSHIMA MITSUAKI; KOMODA HIDEAKI; USHIGOME HISASHI  
Priority (No,Kind,Date): JP 938596 A 19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A 19931119  
Aplic (No,Kind,Date): SG 9800735 A 19940119  
IPC: \* G11B-019/02; G11B-007/007  
Derwent WPI Acc No: \* C 94-236841; G 93-313529; G 94-242360; G 95-116722; G 95-341616; G 96-062972; G 98-181451  
Language of Document: English  
Patent (No,Kind,Date): SG 7100103 A1 20000321  
INFORMATION RECORDING MEDIUM AND METHOD OF FABRICATING THE SAME (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): OSHIMA MITSUAKI; KOMODA HIDEAKI; USHIGOME HISASHI  
Priority (No,Kind,Date): JP 938596 A 19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A 19931119  
Aplic (No,Kind,Date): SG 9800736 A 19940119  
IPC: \* G11B-019/02; G11B-007/007  
Derwent WPI Acc No: \* C 94-236841; G 93-313529; G 94-242360; G 95-116722; G 95-341616; G 96-062972; G 98-181451  
Language of Document: English

UNITED STATES OF AMERICA (US)

Patent (No,Kind,Date): US 5473584 A 19951205  
RECORDING AND REPRODUCING APPARATUS (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): US 281337 A 19940727; JP 9213809 A 19920129; JP 9242558 A 19920228; JP 9250328 A 19920309; JP 9268031 A 19920326; JP 92111176 A 19920430; JP 92194450 A 19920722; JP 92280874 A 19920925; JP 938596 A 19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP 93205682 A

19930727; JP 93297504 A 19931102; JP 93314114 A 19931119; JP 94104879 A 19940418; JP 94156089 A 19940707; US 184117 A2 19940121; US 9709 A2 19930127

Applic (No,Kind,Date): US 281337 A 19940727

National Class: \* 369032000; 369047000; 369054000

IPC: \* G11B-017/22

Derwent WPI Acc No: \* C 94-236841; G 93-251292; G 93-313529; G 94-242360; G 95-116722; G 95-246541; G 95-341616; G 95-373939; G 96-062972; G 98-181451

JAPIO Reference No: \* 180014P000119; 180121P000165; 180264P000063; 180522P000136; 180618P000070

Language of Document: English

Patent (No,Kind,Date): US 5526328 A 19960611

RECORDING AND REPRODUCING APPARATUS WITH VARYING AMOUNTS OF DATA IN DIFFERENT TRACKS (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP); SHIMIZU RYOSUKE (JP); KOUDO TOSHIKAZU (JP); YOSHIURA TSUKASA (JP); MATSUURA TAKUMI (JP); TANAKA MICHIRO (JP); TAN SATOSHI (JP)

Priority (No,Kind,Date): US 184117 A 19940121; JP 9213809 A 19920129; JP 9242558 A 19920228; JP 9250328 A 19920309; JP 9268031 A 19920326; JP 92111176 A 19920430; JP 92194450 A 19920722; JP 92280874 A 19920925; JP 938596 A 19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A 19931119; US 9709 A2 19930127

Applic (No,Kind,Date): US 184117 A 19940121

National Class: \* 369013000; 369032000

IPC: \* G11B-011/00

Derwent WPI Acc No: \* C 94-236841; G 93-251292; G 93-313529; G 94-242360; G 95-116722; G 95-341616; G 96-062972; G 98-181451

JAPIO Reference No: \* 180014P000119; 180121P000165; 180264P000063; 180522P000136; 180618P000070

Language of Document: English

Patent (No,Kind,Date): US 5555275 A 19960910

MULTI-THRESHOLD AND HIERARCHICAL TELEVISION SIGNAL TRANSMISSION SYSTEM  
Multi-threshold and hierarchical television signal transmission system (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): US 417269 A 19950405; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317; US 857627 B1 19920325

Applic (No,Kind,Date): US 417269 A 19950405

National Class: \* 375261000; 375298000; 375324000; 332103000; 329304000; 348724000; 348726000

IPC: \* H04L-005/12; H04L-023/02; H04L-027/22; H04L-027/20

Derwent WPI Acc No: \* G 92-325674; G 97-195354

JAPIO Reference No: \* 180152E000002

Language of Document: English

Patent (No,Kind,Date): US 5600672 A 19970204

COMMUNICATION SYSTEM (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP); SAKASHITA SEIJI (JP)

Priority (No,Kind,Date): US 240521 A 19940510; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317; JP 93132984 A 19930510; JP 93261612 A 19930924; JP 93349972 A 19931227; JP 9479668 A 19940324; US 857627 A2 19920325

Applic (No,Kind,Date): US 240521 A 19940510

National Class: \* 375219000; 375270000; 375301000; 375321000

IPC: \* H04L-005/16; H04B-001/38

Derwent WPI Acc No: \* G 92-325674; G 94-103292; G 94-311606; G 94-342258; G 95-387959; G 97-195354

JAPIO Reference No: \* 180152E000002

Language of Document: English

Patent (No,Kind,Date): US 5682360 A 19971028

RECORDING AND REPRODUCING APPARATUS FOR USE WITH A RECORDING MEDIUM  
HAVING AN OPTICAL RECORDING LAYER AND MAGNETIC RECORDING LAYER  
(English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): JP 9213809 A 19920129; JP 9242558 A  
19920228; JP 9250328 A 19920309; JP 9268031 A 19920326; JP  
92111176 A 19920430; JP 92194450 A 19920722; JP 92280874 A  
19920925

Applic (No,Kind,Date): US 9709 A 19930127

National Class: \* 369013000; 360059000; 360114000

IPC: \* G11B-011/00; G11B-005/127

Derwent WPI Acc No: \* G 93-251292; G 93-313529

JAPIO Reference No: \* 180014P000119; 180121P000165; 180264P000063;  
180522P000136; 180618P000070

Language of Document: English

Patent (No,Kind,Date): US 5699331 A 19971216

APPARATUS OPERATING WITH RECORDING MEDIUM ACCORDING TO POSITIONAL  
INFORMATION OF A SECRET CODE (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): US 534771 A 19950927; JP 9213809 A  
19920129; JP 9242558 A 19920228; JP 9250328 A 19920309; JP  
9268031 A 19920326; JP 92111176 A 19920430; JP 92194450 A  
19920722; JP 92280874 A 19920925; JP 938596 A 19930121; JP  
9392219 A 19930325; JP 93107423 A 19930409; JP 93205682 A  
19930727; JP 93297504 A 19931102; JP 93314114 A 19931119; JP  
94104879 A 19940418; JP 94156089 A 19940707; US 281337 A3  
19940727; US 184117 A2 19940121; US 9709 A2 19930127

Applic (No,Kind,Date): US 534771 A 19950927

Addnl Info: 5473584 Patented; 5526328 Patented

National Class: \* 369032000; 369047000; 369054000

IPC: \* G11B-017/22

Derwent WPI Acc No: \* C 94-236841; G 93-251292; G 93-313529; G  
94-242360; G 95-116722; G 95-246541; G 95-341616; G 95-373939; G  
96-062972; G 98-181451

JAPIO Reference No: \* 180014P000119; 180121P000165; 180264P000063;  
180522P000136; 180618P000070

Language of Document: English

Patent (No,Kind,Date): US 5761301 A 19980602

MARK FORMING APPARATUS, METHOD OF FORMING LASER MARK ON OPTICAL DISK,  
REPRODUCING APPARATUS, OPTICAL DISK AND METHOD OF PRODUCING OPTICAL  
DISK (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP)

Priority (No,Kind,Date): JP 94283415 A 19941117; JP 9516153 A  
19950202; JP 95261247 A 19951009

Applic (No,Kind,Date): US 560015 A 19951117

National Class: \* 380004000; 369272000; 235494000

IPC: \* H04K-001/00

Derwent WPI Acc No: \* G 95-373939; G 96-268785; G 97-236117; G  
97-236119

Language of Document: English

Patent (No,Kind,Date): US 5802241 A 19980901

COMMUNICATION SYSTEM (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): US 706376 A 19960830; JP 9267934 A  
19920326; JP 92256070 A 19920925; JP 9366461 A 19930325; JP  
93132984 A 19930510; JP 93261612 A 19930924; JP 93349972 A  
19931227; US 217895 B1 19940325; US 126589 A2 19930927; US 37108  
A2 19930325

Applic (No,Kind,Date): US 706376 A 19960830

National Class: \* 386046000; 348723000

IPC: \* H04N-005/91; H04N-005/38

Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 94-311606; G  
94-342258

JAPIO Reference No: \* 180486E000144

Language of Document: English  
Patent (No,Kind,Date): US 5805551 A 19980908  
METHOD AND APPARATUS FOR PREVENTING ILLEGAL COPY OR ILLEGAL  
INSTALLATION OF INFORMATION OF OPTICAL RECORDING MEDIUM (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP)  
Priority (No,Kind,Date): US 845794 A 19970425; JP 94104879 A  
19940418; JP 94283415 A 19941117; JP 94327963 A 19941228; JP  
9515318 A 19950201; JP 9516865 A 19950203; US 423668 A3  
19950418; US 281337 A2 19940727  
Applic (No,Kind,Date): US 845794 A 19970425  
Addnl Info: 5473584 19951205 Patented  
National Class: \* 369059000; 369047000; 369048000; 369058000;  
360048000  
IPC: \* G11B-007/00  
Derwent WPI Acc No: \* G 95-116722; G 95-246541; G 95-373939; G  
96-268785  
Language of Document: English  
Patent (No,Kind,Date): US 5807640 A 19980915  
OPTICAL RECORDING MEDIUM, REPRODUCING SYSTEM, METHOD OF REPRODUCING  
OPTICAL DISK, METHOD OF FABRICATING OPTICAL DISK ORIGINAL RECORD, AND  
METHOD OF STOPPING ILLEGAL PROGRAM OPERATION (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): UENO FUMIAKI (JP); OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): JP 93335165 A 19931228; JP 9422191 A  
19940120; JP 94104879 A 19940418; JP 94156089 A 19940707; JP  
94299508 A 19941202; WO 94JP2304 W 19941228  
Applic (No,Kind,Date): US 507495 A 19950828  
National Class: \* 428064100; 428064200; 428064400; 428913000;  
369275100; 369284000  
IPC: \* B32B-003/00  
Derwent WPI Acc No: \* G 95-116722; G 95-246541; G 95-373939  
Language of Document: English  
Patent (No,Kind,Date): US 5819000 A 19981006  
MAGNETIC RECORDING AND PLAYBACK APPARATUS (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92256070 A  
19920925  
Applic (No,Kind,Date): US 37108 A 19930325  
National Class: \* 386046000; 348723000  
IPC: \* H04N-005/91; H04N-005/38  
Derwent WPI Acc No: \* G 93-305235; G 94-103292  
JAPIO Reference No: \* 180486E000144  
Language of Document: English  
Patent (No,Kind,Date): US 5881038 A 19990309  
METHOD AND APPARATUS FOR PREVENTING ILLEGAL COPY OR ILLEGAL  
INSTALLATION OF INFORMATION OF OPTICAL RECORDING MEDIUM (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP)  
Priority (No,Kind,Date): US 423668 A 19950418; JP 94104879 A  
19940418; JP 94283415 A 19941117; JP 94327963 A 19941228; JP  
9515318 A 19950201; JP 9516865 A 19950203; US 281337 A2  
19940727  
Applic (No,Kind,Date): US 423668 A 19950418  
National Class: \* 369059000; 369084000; 369058000; 369054000;  
369047000  
IPC: \* G11B-007/00  
Derwent WPI Acc No: \* G 95-116722; G 95-246541; G 95-373939; G  
96-268785  
Language of Document: English  
Patent (No,Kind,Date): US 5892879 A 19990406  
COMMUNICATION SYSTEM FOR PLURAL DATA STREAMS (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): US 126589 A 19930927; JP 9267934 A  
19920326; JP 92256070 A 19920925; JP 9366461 A 19930325; JP  
93132984 A 19930510; US 37108 A2 19930325

Applic (No,Kind,Date): US 126589 A 19930927  
National Class: \* 386046000; 348726000  
IPC: \* H04N-005/91; H04N-005/38  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 94-311606; G 94-342258  
JAPIO Reference No: \* 180486E000144  
Language of Document: English

Patent (No,Kind,Date): US 5959948 A 19990928  
RECORDING AND REPRODUCING APPARATUS (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): US 970162 A 19971113; JP 9213809 A 19920129; JP 9242558 A 19920228; JP 9250328 A 19920309; JP 9268031 A 19920326; JP 92111176 A 19920430; JP 92194450 A 19920722; JP 92280874 A 19920925; JP 938596 A 19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A 19931119; JP 93349972 A 19931227; JP 94104879 A 19940418; JP 94156089 A 19940707; US 534771 A1 19950927; US 281337 A3 19940727; US 184117 A2 19940121; US 9709 A2 19930127

Applic (No,Kind,Date): US 970162 A 19971113  
Addnl Info: 5699331 Patented; 5473584 Patented; 5526328 Patented  
National Class: \* 369032000; 369047000; 369054000  
IPC: \* G11B-017/22  
Derwent WPI Acc No: \* C 94-236841; G 93-251292; G 93-313529; G 94-242360; G 94-342258; G 95-116722; G 95-246541; G 95-341616; G 95-373939; G 96-062972; G 98-181451  
JAPIO Reference No: \* 180014P000119; 180121P000165; 180264P000063; 180522P000136; 180618P000070  
Language of Document: English

Patent (No,Kind,Date): US 5999569 A 19991207  
COMMUNICATION SYSTEM (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): US 61979 A 19980417; JP 9267934 A 19920326; JP 92256070 A 19920925; US 37108 A3 19930325

Applic (No,Kind,Date): US 61979 A 19980417  
Addnl Info: 5819000 Patented  
National Class: \* 375265000; 348608000; 348607000; 348726000  
IPC: \* H04L-027/28; H04L-005/12; H04L-023/02  
Derwent WPI Acc No: \* G 93-305235; G 94-103292  
JAPIO Reference No: \* 180486E000144  
Language of Document: English

Patent (No,Kind,Date): US 6049651 A 20000411  
COMMUNICATION SYSTEM (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): US 64147 A 19980422; JP 9267934 A 19920326; JP 92256070 A 19920925; JP 9366461 A 19930325; US 126589 A3 19930927; US 37108 A1 19930325

Applic (No,Kind,Date): US 64147 A 19980422  
Addnl Info: 5892879 Patented; 5819000 Patented  
National Class: \* 386046000; 386123000; 348726000  
IPC: \* H04N-005/91; H04N-007/015; H04N-005/38  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 94-311606; G 94-342258  
JAPIO Reference No: \* 180486E000144  
Language of Document: English

Patent (No,Kind,Date): US 6052465 A 20000418  
OPTICAL DISK, AN OPTICAL DISK BARCODE FORMING METHOD, AN OPTICAL DISK REPRODUCTION APPARATUS, A MARKING FORMING APPARATUS, A METHOD OF FORMING A LASER MARKING ON AN OPTICAL DISK, AND A METHOD OF MANUFACTURING AN OPTICAL DISK (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)  
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A 19960123

Applc (No,Kind,Date): US 649411 A 19960516  
National Class: \* 380004000  
IPC: \* H04L-009/00  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: English  
Patent (No,Kind,Date): US 6081785 A 20000627  
OPTICAL DISK, OPTICAL RECORDER, OPTICAL REPRODUCER, CRYPTOCOMMUNICATION  
SYSTEM AND PROGRAM LICENSE SYSTEM (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA  
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP); TAKEMURA  
YOSHINARI (JP)  
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A  
19960123; JP 96211304 A 19960809; WO 96JP2924 W 19961008  
Applc (No,Kind,Date): US 849468 A 19970609  
National Class: \* 705001000; 380201000; 369272000  
IPC: \* H04K-001/00  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: English  
Patent (No,Kind,Date): US 6122373 A 20000919  
OPTICAL DISK, OPTICAL DISK BARCODE FORMING METHOD, OPTICAL DISK  
REPRODUCTION APPARATUS, A MARKING FORMING APPARATUS, A METHOD OF  
FORMING A LASER MARKING ON AN OPTICAL DISK, AND A METHOD OF  
MANUFACTURING AN OPTICAL DISK (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA  
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)  
Priority (No,Kind,Date): US 404506 A 19990923; JP 95261247 A  
19951009; JP 968910 A 19960123; US 649411 A3 19960516  
Applc (No,Kind,Date): US 404506 A 19990923  
National Class: \* 380004000  
IPC: \* H04L-009/00  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: English  
Patent (No,Kind,Date): US 6125181 A 20000926  
OPTICAL DISK, AN OPTICAL DISK BARCODE FORMING METHOD, AN OPTICAL  
REPRODUCTION APPARATUS, A MARKING FORMING APPARATUS, A METHOD OF  
FORMING A LASER MARKING ON AN OPTICAL DISK, AND A METHOD OF  
MANUFACTURING AN OPTICAL DISK (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA  
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)  
Priority (No,Kind,Date): US 404639 A 19990923; JP 95261247 A  
19951009; JP 968910 A 19960123; US 649411 A3 19960516  
Applc (No,Kind,Date): US 404639 A 19990923  
National Class: \* 380002000  
IPC: \* H04K-001/00  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: English  
Patent (No,Kind,Date): US 6128388 A 20001003  
OPTICAL DISK, AN OPTICAL DISK BARCODE FORMING METHOD, AN OPTICAL DISK  
REPRODUCTION APPARATUS, A MARKING FORMING APPARATUS, A METHOD OF  
FORMING A LASER MARKING ON AN OPTICAL DISK, AND A METHOD OF  
MANUFACTURING AN OPTICAL DISK (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA  
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)  
Priority (No,Kind,Date): US 401114 A 19990922; JP 95261247 A  
19951009; JP 968910 A 19960123; US 649411 A3 19960516  
Applc (No,Kind,Date): US 401114 A 19990922  
National Class: \* 380059000  
IPC: \* H04L-009/00  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: English  
Patent (No,Kind,Date): US 6141419 A 20001031  
OPTICAL DISK, AN OPTICAL DISK BARCODE FORMING METHOD, AN OPTICAL DISK  
REPRODUCTION APPARATUS, A MARKING FORMING APPARATUS, A METHOD OF  
FORMING A LASER MARKING ON AN OPTICAL DISK, AND A METHOD OF

MANUFACTURING AN OPTICAL DISK (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)  
 Priority (No,Kind,Date): US 441338 A 19991116; JP 95261247 A 19951009; JP 968910 A 19960123; US 649411 A1 19960516  
 Aplic (No,Kind,Date): US 441338 A 19991116  
 National Class: \* 380004000  
 IPC: \* H04L-009/00  
 Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
 Language of Document: English  
 Patent (No,Kind,Date): US 6144742 A 20001107  
 OPTICAL DISK, AN OPTICAL DISK BARCODE FORMING METHOD, AN OPTICAL DISK REPRODUCTION APPARATUS, A MARKING FORMING APPARATUS, A METHOD OF FORMING A LASER MARKING ON AN OPTICAL DISK, AND A METHOD OF MANUFACTURING AN OPTICAL DISK (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)  
 Priority (No,Kind,Date): US 401669 A 19990922; US 649411 A3 19960516  
 Aplic (No,Kind,Date): US 401669 A 19990922  
 Addnl Info: 6052465 Patented  
 National Class: \* 380004000  
 IPC: \* H04L-009/00  
 Language of Document: English

UNITED STATES OF AMERICA (US)

Legal Status (No,Type,Date,Code,Text):					
US 95507495	A	19950828	US REFW	CORRESPONDS TO PCT APPLICATION (ENTSPRICH PCT ANMELDUNG)	
			WO 9518443	P	
US 97849468	A	19970609	US REFW	CORRESPONDS TO PCT APPLICATION (ENTSPRICH PCT ANMELDUNG)	
			WO 9714144	P	
US 5473584	P	19920129	US AA	PRIORITY (PATENT)	
		JP 9213809	A	19920129	
US 5473584	P	19920228	US AA	PRIORITY (PATENT)	
		JP 9242558	A	19920228	
US 5473584	P	19920309	US AA	PRIORITY (PATENT)	
		JP 9250328	A	19920309	
US 5473584	P	19920326	US AA	PRIORITY (PATENT)	
		JP 9268031	A	19920326	
US 5473584	P	19920430	US AA	PRIORITY (PATENT)	
		JP 92111176	A	19920430	
US 5473584	P	19920722	US AA	PRIORITY (PATENT)	
		JP 92194450	A	19920722	
US 5473584	P	19920925	US AA	PRIORITY (PATENT)	
		JP 92280874	A	19920925	
US 5473584	P	19930121	US AA	PRIORITY (PATENT)	
		JP 938596	A	19930121	
US 5473584	P	19930127	US AA	PRIORITY	
		US 9709	A2	19930127	
US 5473584	P	19930325	US AA	PRIORITY (PATENT)	
		JP 9392219	A	19930325	
US 5473584	P	19930409	US AA	PRIORITY (PATENT)	
		JP 93107423	A	19930409	
US 5473584	P	19930727	US AA	PRIORITY (PATENT)	
		JP 93205682	A	19930727	
US 5473584	P	19931102	US AA	PRIORITY (PATENT)	
		JP 93297504	A	19931102	
US 5473584	P	19931119	US AA	PRIORITY (PATENT)	
		JP 93314114	A	19931119	
US 5473584	P	19940121	US AA	PRIORITY	
		US 184117	A2	19940121	
US 5473584	P	19940418	US AA	PRIORITY (PATENT)	
		JP 94104879	A	19940418	
US 5473584	P	19940707	US AA	PRIORITY (PATENT)	

US 5473584	P	JP 94156089 A	19940707	
		19940727 US AE	APPLICATION DATA (PATENT)	
		(APPL. DATA (PATENT))		
		US 281337 A	19940727	
US 5473584	P	19941207 US AS02	ASSIGNMENT OF ASSIGNOR'S	
		INTEREST		
		MATSUSHITA ELECTRIC IDNUSTRAL CO., LTD.		
		1006, OAZA KADOMA KADOMA-SHI, OSAKA, JA ;		
		OSHIMA, MITSUAKI : 19940906		
US 5473584	P	19951205 US A	PATENT	
US 5526328	P	19920129 US AA	PRIORITY (PATENT)	
		JP 9213809 A	19920129	
US 5526328	P	19920228 US AA	PRIORITY (PATENT)	
		JP 9242558 A	19920228	
US 5526328	P	19920309 US AA	PRIORITY (PATENT)	
		JP 9250328 A	19920309	
US 5526328	P	19920326 US AA	PRIORITY (PATENT)	
		JP 9268031 A	19920326	
US 5526328	P	19920430 US AA	PRIORITY (PATENT)	
		JP 92111176 A	19920430	
US 5526328	P	19920722 US AA	PRIORITY (PATENT)	
		JP 92194450 A	19920722	
US 5526328	P	19920925 US AA	PRIORITY (PATENT)	
		JP 92280874 A	19920925	
US 5526328	P	19930121 US AA	PRIORITY (PATENT)	
		JP 938596 A	19930121	
US 5526328	P	19930127 US AA	PRIORITY	
		US 9709 A2	19930127	
US 5526328	P	19930325 US AA	PRIORITY (PATENT)	
		JP 9392219 A	19930325	
US 5526328	P	19930409 US AA	PRIORITY (PATENT)	
		JP 93107423 A	19930409	
US 5526328	P	19930727 US AA	PRIORITY (PATENT)	
		JP 93205682 A	19930727	
US 5526328	P	19931102 US AA	PRIORITY (PATENT)	
		JP 93297504 A	19931102	
US 5526328	P	19931119 US AA	PRIORITY (PATENT)	
		JP 93314114 A	19931119	
US 5526328	P	19940121 US AE	APPLICATION DATA (PATENT)	
		(APPL. DATA (PATENT))		
		US 184117 A	19940121	
US 5526328	P	19940822 US AS02	ASSIGNMENT OF ASSIGNOR'S	
		INTEREST		
		MITSUSHITA ELECTRIC INDUSTRIAL CO., LTD.		
		1006, OAZA KADOMA, KADOMA-SHI OSAKA, JA ;		
		OSHIMA, MITSUAKI : 19940317; SHIMIZU, RYOSUKE		
		: 19940317; KOUDO, TOSHIKAZU : 19940317;		
		YOSHIURA, TSUKASA : 19940317; MAT : 19940317;		
US 5526328	P	19950516 US AS28	CORRECTED ASSIGNMENT	
		MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.		
		KADOMA-SHI 1006, OAZA KADOMA OSAKA, JAP ;		
		OSHIMA, MITSUAKI : 19940317; SHIMIZU, RYOSUKE		
		: 19940317; KOUDO, TOSHIKAZU : 19940317;		
		YOSHIURA, TSUKASA : 19940317; MAT : 19940317;		
US 5526328	P	19960611 US A	PATENT	
US 5555275	P	19910327 US AA	PRIORITY (PATENT)	
		JP 9162798 A	19910327	
US 5555275	P	19910425 US AA	PRIORITY (PATENT)	
		JP 9195813 A	19910425	
US 5555275	P	19910529 US AA	PRIORITY (PATENT)	
		JP 91155650 A	19910529	
US 5555275	P	19910723 US AA	PRIORITY (PATENT)	
		JP 91182236 A	19910723	
US 5555275	P	19920317 US AA	PRIORITY (PATENT)	
		JP 9260739 A	19920317	
US 5555275	P	19920325 US AA	PRIORITY	
		US 857627 B1	19920325	
US 5555275	P	19950405 US AE	APPLICATION DATA (PATENT)	

(APPL. DATA (PATENT))

US 5555275	P	19960910	US A	19950405	PATENT
US 5600672	P	19910327	US AA		PRIORITY (PATENT)
			JP 9162798	A	19910327
US 5600672	P	19910425	US AA		PRIORITY (PATENT)
			JP 9195813	A	19910425
US 5600672	P	19910529	US AA		PRIORITY (PATENT)
			JP 91155650	A	19910529
US 5600672	P	19910723	US AA		PRIORITY (PATENT)
			JP 91182236	A	19910723
US 5600672	P	19920317	US AA		PRIORITY (PATENT)
			JP 9260739	A	19920317
US 5600672	P	19920325	US AA		PRIORITY
			US 857627	A2	19920325
US 5600672	P	19930510	US AA		PRIORITY (PATENT)
			JP 93132984	A	19930510
US 5600672	P	19930924	US AA		PRIORITY (PATENT)
			JP 93261612	A	19930924
US 5600672	P	19931227	US AA		PRIORITY (PATENT)
			JP 93349972	A	19931227
US 5600672	P	19940324	US AA		PRIORITY (PATENT)
			JP 9479668	A	19940324
US 5600672	P	19940510	US AE		APPLICATION DATA (PATENT)
			(APPL. DATA (PATENT))		
			US 240521	A	19940510
US 5600672	P	19961010	US AS02		ASSIGNMENT OF ASSIGNOR'S
			INTEREST		
			MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.		
			1006, KADOMA OSAKA, JAPAN 571 ; OSHIMA,		
			MITSUAKI : 19960910; SAKASHITA, SEIJI :		
			19960910		
US 5600672	P	19970204	US A		PATENT
US 5600672	P	19990420	US RF		REISSUE APPLICATION FILED
			(REISSUE APPL. FILED)		
			19990204		
US 5600672	P	20001114	US RF		REISSUE APPLICATION FILED
			(REISSUE APPL. FILED)		
			20000915		
US 5600672	P	20001128	US RF		REISSUE APPLICATION FILED
			(REISSUE APPL. FILED)		
			20001012		
US 5682360	P	19920129	US AA		PRIORITY (PATENT)
			JP 9213809	A	19920129
US 5682360	P	19920228	US AA		PRIORITY (PATENT)
			JP 9242558	A	19920228
US 5682360	P	19920309	US AA		PRIORITY (PATENT)
			JP 9250328	A	19920309
US 5682360	P	19920326	US AA		PRIORITY (PATENT)
			JP 9268031	A	19920326
US 5682360	P	19920430	US AA		PRIORITY (PATENT)
			JP 92111176	A	19920430
US 5682360	P	19920722	US AA		PRIORITY (PATENT)
			JP 92194450	A	19920722
US 5682360	P	19920925	US AA		PRIORITY (PATENT)
			JP 92280874	A	19920925
US 5682360	P	19930127	US AE		APPLICATION DATA (PATENT)
			(APPL. DATA (PATENT))		
			US 9709	A	19930127
US 5682360	P	19930302	US AS02		ASSIGNMENT OF ASSIGNOR'S
			INTEREST		
			MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.		
			1006, OAZA KADOMA, KADOMA-SHI OSAKA, JA ;		
			OSHIMA, MITSUAKI : 19930122		
US 5682360	P	19971028	US A		PATENT
US 5699331	P	19920129	US AA		PRIORITY (PATENT)
			JP 9213809	A	19920129
US 5699331	P	19920228	US AA		PRIORITY (PATENT)

US 5699331	P	JP 9242558 A	19920228
		JP 19920309 US AA	PRIORITY (PATENT)
		JP 9250328 A	19920309
US 5699331	P	JP 19920326 US AA	PRIORITY (PATENT)
		JP 9268031 A	19920326
US 5699331	P	JP 19920430 US AA	PRIORITY (PATENT)
		JP 92111176 A	19920430
US 5699331	P	JP 19920722 US AA	PRIORITY (PATENT)
		JP 92194450 A	19920722
US 5699331	P	JP 19920925 US AA	PRIORITY (PATENT)
		JP 92280874 A	19920925
US 5699331	P	JP 19930121 US AA	PRIORITY (PATENT)
		JP 938596 A	19930121
US 5699331	P	JP 19930127 US AA	PRIORITY
		US 9709 A2	19930127
US 5699331	P	JP 19930325 US AA	PRIORITY (PATENT)
		JP 9392219 A	19930325
US 5699331	P	JP 19930409 US AA	PRIORITY (PATENT)
		JP 93107423 A	19930409
US 5699331	P	JP 19930727 US AA	PRIORITY (PATENT)
		JP 93205682 A	19930727
US 5699331	P	JP 19931102 US AA	PRIORITY (PATENT)
		JP 93297504 A	19931102
US 5699331	P	JP 19931119 US AA	PRIORITY (PATENT)
		JP 93314114 A	19931119
US 5699331	P	JP 19940121 US AA	PRIORITY
		US 184117 A2	19940121
US 5699331	P	JP 19940418 US AA	PRIORITY (PATENT)
		JP 94104879 A	19940418
US 5699331	P	JP 19940707 US AA	PRIORITY (PATENT)
		JP 94156089 A	19940707
US 5699331	P	JP 19940727 US AA	PRIORITY
		US 281337 A3	19940727
US 5699331	P	JP 19950927 US AE	APPLICATION DATA (PATENT)
		(APPL. DATA (PATENT))	
		US 534771 A	19950927
US 5699331	P	JP 19971216 US A	PATENT
US 5761301	P	JP 19941117 US AA	PRIORITY (PATENT)
		JP 94283415 A	19941117
US 5761301	P	JP 19950202 US AA	PRIORITY (PATENT)
		JP 9516153 A	19950202
US 5761301	P	JP 19951009 US AA	PRIORITY (PATENT)
		JP 95261247 A	19951009
US 5761301	P	JP 19951117 US AE	APPLICATION DATA (PATENT)
		(APPL. DATA (PATENT))	
		US 560015 A	19951117
US 5761301	P	JP 19960410 US AS02	ASSIGNMENT OF ASSIGNEE'S INTEREST
		MATSUSHITA ELECTRIC INDUSTRIAL CO. LTD. 1006, OAZA KADOMA, KADOMA-SHI OSAKA, JAP ; OSHIMA, MITSUAKI : 19960220; GOTOH, YOSHIHO : 19960220	
US 5761301	P	JP 19980602 US A	PATENT
US 5761301	P	JP 20000801 US RF	REISSUE APPLICATION FILED
		(REISSUE APPL. FILED)	
		20000602	
US 5802241	P	JP 19920326 US AA	PRIORITY (PATENT)
		JP 9267934 A	19920326
US 5802241	P	JP 19920925 US AA	PRIORITY (PATENT)
		JP 92256070 A	19920925
US 5802241	P	JP 19930325 US AA	PRIORITY (PATENT)
		JP 9366461 A	19930325
US 5802241	P	JP 19930325 US AA	PRIORITY
		US 37108 A2	19930325
US 5802241	P	JP 19930510 US AA	PRIORITY (PATENT)
		JP 93132984 A	19930510
US 5802241	P	JP 19930924 US AA	PRIORITY (PATENT)
		JP 93261612 A	19930924

US 5802241	P	19930927	US AA	PRIORITY
		US 126589	A2	19930927
US 5802241	P	19931227	US AA	PRIORITY (PATENT)
		JP 93349972	A	19931227
US 5802241	P	19940325	US AA	PRIORITY
		US 217895	B1	19940325
US 5802241	P	19960830	US AE	APPLICATION DATA (PATENT)
		(APPL. DATA (PATENT))		
		US 706376	A	19960830
US 5802241	P	19980901	US A	PATENT
US 5805551	P	19940418	US AA	PRIORITY (PATENT)
		JP 94104879	A	19940418
US 5805551	P	19940727	US AA	PRIORITY
		US 281337	A2	19940727
US 5805551	P	19941117	US AA	PRIORITY (PATENT)
		JP 94283415	A	19941117
US 5805551	P	19941228	US AA	PRIORITY (PATENT)
		JP 94327963	A	19941228
US 5805551	P	19950201	US AA	PRIORITY (PATENT)
		JP 9515318	A	19950201
US 5805551	P	19950203	US AA	PRIORITY (PATENT)
		JP 9516865	A	19950203
US 5805551	P	19950418	US AA	PRIORITY
		US 423668	A3	19950418
US 5805551	P	19970425	US AE	APPLICATION DATA (PATENT)
		(APPL. DATA (PATENT))		
		US 845794	A	19970425
US 5805551	P	19980908	US A	PATENT
US 5807640	P	19931228	US AA	PRIORITY (PATENT)
		JP 93335165	A	19931228
US 5807640	P	19940120	US AA	PRIORITY (PATENT)
		JP 9422191	A	19940120
US 5807640	P	19940418	US AA	PRIORITY (PATENT)
		JP 94104879	A	19940418
US 5807640	P	19940707	US AA	PRIORITY (PATENT)
		JP 94156089	A	19940707
US 5807640	P	19941202	US AA	PRIORITY (PATENT)
		JP 94299508	A	19941202
US 5807640	P	19941228	US AA	PCT-APPLICATION (PCT-APPL.)
		WO 94JP2304	W	19941228
US 5807640	P	19950828	US AE	APPLICATION DATA (PATENT)
		(APPL. DATA (PATENT))		
		US 507495	A	19950828
US 5807640	P	19950828	US AS02	ASSIGNMENT OF ASSIGNOR'S INTEREST
		MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.		1006
		OAZA KADOMA, KADOMA-SHI OSAKA 571, ; UENO,		
		FUMIAKI : 19950801; OSHIMA, MITSUAKI :		
		19950801		
US 5807640	P	19980915	US A	PATENT
US 5819000	P	19920326	US AA	PRIORITY (PATENT)
		JP 9267934	A	19920326
US 5819000	P	19920925	US AA	PRIORITY (PATENT)
		JP 92256070	A	19920925
US 5819000	P	19930325	US AE	APPLICATION DATA (PATENT)
		(APPL. DATA (PATENT))		
		US 37108	A	19930325
US 5819000	P	19930608	US AS02	ASSIGNMENT OF ASSIGNOR'S INTEREST
		MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.		
		1006, OAZA KADOMA, KADOMA-SHI OSAKA, JA ;		
		OSHIMA, MITSUAKI : 19930413		
US 5819000	P	19981006	US A	PATENT
US 5819000	P	19990914	US CC	CERTIFICATE OF CORRECTION
US 5881038	P	19940418	US AA	PRIORITY (PATENT)
		JP 94104879	A	19940418
US 5881038	P	19940727	US AA	PRIORITY

		US	281337	A2	19940727	
US 5881038	P	19941117	US AA		PRIORITY	(PATENT)
		JP	94283415	A	19941117	
US 5881038	P	19941228	US AA		PRIORITY	(PATENT)
		JP	94327963	A	19941228	
US 5881038	P	19950201	US AA		PRIORITY	(PATENT)
		JP	9515318	A	19950201	
US 5881038	P	19950203	US AA		PRIORITY	(PATENT)
		JP	9516865	A	19950203	
US 5881038	P	19950418	US AE		APPLICATION DATA	(PATENT)
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		US	423668	A	19950418	
US 5881038	P	19951004	US AS02		ASSIGNMENT OF ASSIGNOR'S	
		INTEREST				
		MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.	1006			
		OAZA KADOMA KADOMA-SHI, OSAKA 571, ; OSHIMA,				
		MITSUAKI : 19950412; GOTOH, YOSHIHO :				
		19950412				
US 5881038	P	19990309	US A		PATENT	
US 5881038	P	20000125	US CC		CERTIFICATE OF CORRECTION	
US 5892879	P	19920326	US AA		PRIORITY	(PATENT)
		JP	9267934	A	19920326	
US 5892879	P	19920925	US AA		PRIORITY	(PATENT)
		JP	92256070	A	19920925	
US 5892879	P	19930325	US AA		PRIORITY	(PATENT)
		JP	9366461	A	19930325	
US 5892879	P	19930325	US AA		PRIORITY	
		US	37108	A2	19930325	
US 5892879	P	19930510	US AA		PRIORITY	(PATENT)
		JP	93132984	A	19930510	
US 5892879	P	19930927	US AE		APPLICATION DATA	(PATENT)
		(APPL. DATA	(PATENT))			
		US	126589	A	19930927	
US 5892879	P	19940106	US AS02		ASSIGNMENT OF ASSIGNOR'S	
		INTEREST				
		MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.				
		1006, OAZA KADOMA, KADOMA-SHI OSAKA, JA ;				
		OSHIMA, MITSUAKI : 19931013				
US 5892879	P	19990406	US A		PATENT	
US 5959948	P	19920129	US AA		PRIORITY	(PATENT)
		JP	9213809	A	19920129	
US 5959948	P	19920228	US AA		PRIORITY	(PATENT)
		JP	9242558	A	19920228	
US 5959948	P	19920309	US AA		PRIORITY	(PATENT)
		JP	9250328	A	19920309	
US 5959948	P	19920326	US AA		PRIORITY	(PATENT)
		JP	9268031	A	19920326	
US 5959948	P	19920430	US AA		PRIORITY	(PATENT)
		JP	92111176	A	19920430	
US 5959948	P	19920722	US AA		PRIORITY	(PATENT)
		JP	92194450	A	19920722	
US 5959948	P	19920925	US AA		PRIORITY	(PATENT)
		JP	92280874	A	19920925	
US 5959948	P	19930121	US AA		PRIORITY	(PATENT)
		JP	938596	A	19930121	
US 5959948	P	19930127	US AA		PRIORITY	
		US	9709	A2	19930127	
US 5959948	P	19930325	US AA		PRIORITY	(PATENT)
		JP	9392219	A	19930325	
US 5959948	P	19930409	US AA		PRIORITY	(PATENT)
		JP	93107423	A	19930409	
US 5959948	P	19930727	US AA		PRIORITY	(PATENT)
		JP	93205682	A	19930727	
US 5959948	P	19931102	US AA		PRIORITY	(PATENT)
		JP	93297504	A	19931102	
US 5959948	P	19931119	US AA		PRIORITY	(PATENT)
		JP	93314114	A	19931119	
US 5959948	P	19931227	US AA		PRIORITY	(PATENT)

		JP 93349972 A	19931227
US 5959948	P	19940121 US AA	PRIORITY
		US 184117 A2	19940121
US 5959948	P	19940418 US AA	PRIORITY (PATENT)
		JP 94104879 A	19940418
US 5959948	P	19940707 US AA	PRIORITY (PATENT)
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US 5959948	P	19940727 US AA	PRIORITY
		US 281337 A3	19940727
US 5959948	P	19950927 US AA	PRIORITY
		US 534771 A1	19950927
US 5959948	P	19971113 US AE	APPLICATION DATA (PATENT)
		(APPL. DATA (PATENT))	
		US 970162 A	19971113
US 5959948	P	19990928 US A	PATENT
US 5959948	P	20001114 US CC	CERTIFICATE OF CORRECTION
US 5999569	P	19920326 US AA	PRIORITY (PATENT)
		JP 9267934 A	19920326
US 5999569	P	19920925 US AA	PRIORITY (PATENT)
		JP 92256070 A	19920925
US 5999569	P	19930325 US AA	PRIORITY
		US 37108 A3	19930325
US 5999569	P	19980417 US AE	APPLICATION DATA (PATENT)
		(APPL. DATA (PATENT))	
		US 61979 A	19980417
US 5999569	P	19991207 US A	PATENT
US 6049651	P	19920326 US AA	PRIORITY (PATENT)
		JP 9267934 A	19920326
US 6049651	P	19920925 US AA	PRIORITY (PATENT)
		JP 92256070 A	19920925
US 6049651	P	19930325 US AA	PRIORITY (PATENT)
		JP 9366461 A	19930325
US 6049651	P	19930325 US AA	PRIORITY
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US 6049651	P	19930927 US AA	PRIORITY
		US 126589 A3	19930927
US 6049651	P	19980422 US AE	APPLICATION DATA (PATENT)
		(APPL. DATA (PATENT))	
		US 64147 A	19980422
US 6049651	P	20000411 US A	PATENT
US 6052465	P	19951009 US AA	PRIORITY (PATENT)
		JP 95261247 A	19951009
US 6052465	P	19960123 US AA	PRIORITY (PATENT)
		JP 968910 A	19960123
US 6052465	P	19960516 US AE	APPLICATION DATA (PATENT)
		(APPL. DATA (PATENT))	
		US 649411 A	19960516
US 6052465	P	20000418 US A	PATENT
US 6081785	P	19951009 US AA	PRIORITY (PATENT)
		JP 95261247 A	19951009
US 6081785	P	19960123 US AA	PRIORITY (PATENT)
		JP 968910 A	19960123
US 6081785	P	19960809 US AA	PRIORITY (PATENT)
		JP 96211304 A	19960809
US 6081785	P	19961008 US AA	PCT-APPLICATION (PCT-APPL.)
		WO 96JP2924 W	19961008
US 6081785	P	19970609 US AE	APPLICATION DATA (PATENT)
		(APPL. DATA (PATENT))	
		US 849468 A	19970609
US 6081785	P	20000627 US A	PATENT
US 6122373	P	19951009 US AA	PRIORITY (PATENT)
		JP 95261247 A	19951009
US 6122373	P	19960123 US AA	PRIORITY (PATENT)
		JP 968910 A	19960123
US 6122373	P	19960516 US AA	PRIORITY
		US 649411 A3	19960516
US 6122373	P	19990923 US AE	APPLICATION DATA (PATENT)

(APPL. DATA (PATENT))

US 6122373	P	20000919	US A	19990923
US 6125181	P	19951009	US AA	PRIORITY (PATENT)
		JP 95261247	A	19951009
US 6125181	P	19960123	US AA	PRIORITY (PATENT)
		JP 968910	A	19960123
US 6125181	P	19960516	US AA	PRIORITY
		US 649411	A3	19960516
US 6125181	P	19990923	US AE	APPLICATION DATA (PATENT)
		(APPL. DATA (PATENT))		
		US 404639	A	19990923
US 6125181	P	20000926	US A	PATENT
US 6128388	P	19951009	US AA	PRIORITY (PATENT)
		JP 95261247	A	19951009
US 6128388	P	19960123	US AA	PRIORITY (PATENT)
		JP 968910	A	19960123
US 6128388	P	19960516	US AA	PRIORITY
		US 649411	A3	19960516
US 6128388	P	19990922	US AE	APPLICATION DATA (PATENT)
		(APPL. DATA (PATENT))		
		US 401114	A	19990922
US 6128388	P	20001003	US A	PATENT
US 6141419	P	19951009	US AA	PRIORITY (PATENT)
		JP 95261247	A	19951009
US 6141419	P	19960123	US AA	PRIORITY (PATENT)
		JP 968910	A	19960123
US 6141419	P	19960516	US AA	PRIORITY
		US 649411	A1	19960516
US 6141419	P	19991116	US AE	APPLICATION DATA (PATENT)
		(APPL. DATA (PATENT))		
		US 441338	A	19991116
US 6141419	P	20001031	US A	PATENT
US 6144742	P	19960516	US AA	PRIORITY
		US 649411	A3	19960516
US 6144742	P	19990922	US AE	APPLICATION DATA (PATENT)
		(APPL. DATA (PATENT))		
		US 401669	A	19990922
US 6144742	P	20001107	US A	PATENT

#### WORLD INTELLECTUAL PROPERTY ORGANIZATION, PCT (WO)

Patent (No,Kind,Date): WO 9518443 A1 19950706

OPTICAL RECORDING MEDIUM, REPRODUCTION APPARATUS OF OPTICAL DISK,  
REPRODUCTION METHOD OF OPTICAL DISK, PRODUCTION METHOD OF ORIGINAL  
DISK OF OPTICAL DISK, AND ILLEGAL PROGRAM OPERATION STOP METHOD  
(English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP); UENO FUMIAKI (JP); OSHIMA MITSUAKI (JP)

Author (Inventor): UENO FUMIAKI (JP); OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): JP 93335165 A 19931228; JP 9422191 A 19940120; JP 94104879 A 19940418; JP 94156089 A 19940707; JP 94299508 A 19941202

Applic (No,Kind,Date): WO 94JP2304 A 19941228

Designated States: (National) CN; KR; US (Regional) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE

Filing Details: WO 100000 With international search report

IPC: \* G11B-007/007; G11B-020/12; G11B-013/04; G11B-007/00; G11B-007/26; G11B-019/06; G11B-020/14; G11B-020/10

Derwent WPI Acc No: \* G 95-116722; G 95-246541; G 95-373939; G 95-246541

Language of Document: Japanese

Patent (No,Kind,Date): WO 9528704 A1 19951026

METHOD AND APPARATUS FOR PREVENTING ILLEGAL COPYING AND ILLEGAL  
INSTALLATION OF INFORMATION ON OPTICAL RECORDING MEDIUM (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI; GOTOH YOSHIHO

Priority (No,Kind,Date): JP 94104879 A 19940418; JP 94283415 A 19941117; JP 94327963 A 19941228; JP 9515318 A 19950201; JP

9516865 A 19950203  
Applc (No,Kind,Date): WO 95JP760 A 19950418  
Designated States: (National) CN; KR (Regional) AT; BE; CH; DE; DK;  
ES; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE  
Filing Details: WO 120000 With international search report; With  
amended claims and statement  
IPC: \* G11B-007/00; G11B-020/10; G11B-023/30; G11B-013/04; G11B-019/06  
; G11B-007/09  
Derwent WPI Acc No: \* G 95-116722; G 95-246541; G 95-373939; G  
96-268785; G 95-373939  
Language of Document: Japanese  
Patent (No,Kind,Date): WO 9616401 A1 19960530  
MARKING GENERATING APPARATUS, METHOD OF FORMING LASER MARKING ON  
OPTICAL DISK, REPRODUCING APPARATUS, OPTICAL DISK AND OPTICAL DISK  
PRODUCING METHOD (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI; GOTOH YOSHIHO  
Priority (No,Kind,Date): JP 94283415 A 19941117; JP 9516153 A  
19950202; JP 95261247 A 19951009  
Applc (No,Kind,Date): WO 95JP2339 A 19951116  
Designated States: (National) CN; JP; KR; MX (Regional) AT; BE; CH;  
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97-236119; G 96-268785  
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Patent (No,Kind,Date): WO 9714144 A1 19970417  
OPTICAL DISK, OPTICAL RECORDER, OPTICAL REPRODUCING DEVICE, ENCRYPTED  
COMMUNICATION SYSTEM, AND AUTHORIZING SYSTEM FOR USE OF PROGRAM  
(English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP); OSHIMA MITSUAKI  
(JP); GOTOH YOSHIHO (JP); TANAKA SHINICHI (JP); KOISHI KENJI  
(JP); MORIYA MITSUROU (JP); TAKEMURA YOSHINARI (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA  
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA  
YOSHINARI (JP)  
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A  
19960123; JP 96211304 A 19960809  
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97-236117  
Language of Document: Japanese  
Patent (No,Kind,Date): WO 9714146 A1 19970417  
OPTICAL DISK, BAR CODE FORMATION METHOD FOR OPTICAL DISK, OPTICAL DISK  
REPRODUCTION APPARATUS, AND MARKING METHOD, LASER MARKING METHOD FOR  
OPTICAL DISK, AND METHOD OF OPTICAL DISK PRODUCTION (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): GOTOH YOSHIHO; OSHIMA MITSUAKI; TANAKA SHINICHI;  
KOISHI KENJI; MORIYA MITSURO  
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19960123  
Applc (No,Kind,Date): WO 96JP1303 A 19960515  
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BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE  
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Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119; G  
97-236119  
Language of Document: Japanese  
Patent (No,Kind,Date): WO 9827553 A1 19980625  
OPTICAL DISK, METHOD FOR RECORDING AND REPRODUCING WRITE-ONCE  
INFORMATION ON AND FROM OPTICAL DISK, OPTICAL DISK REPRODUCING  
DEVICE, OPTICAL DISK RECORDING AND REPRODUCING DEVICE, DEVICE FOR

RECORDING WRITE-ONCE INFORMATION ON OPTICAL DISK, AND OPTICAL DISK RECORDING DEVICE (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP); OSHIMA MITSUAKI (JP); KONISHI SHINICHI (JP); TANAKA SHIN ICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); GOTOH YOSHIHO (JP); TAKEMURA YOSHINARI (JP); MIYATAKE NORIO (JP); MURAKAMI MOTOYOSHI (JP)

Author (Inventor): OSHIMA MITSUAKI (JP); KONISHI SHINICHI (JP); TANAKA SHIN-ICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); GOTOH YOSHIHO (JP); TAKEMURA YOSHINARI (JP); MIYATAKE NORIO (JP); MURAKAMI MOTOYOSHI (JP)

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WO 9518443	P	19931228 WO AA	PRIORITY (PATENT)
		JP 93335165 A	19931228
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		WO 94JP2304 A	19941228
WO 9518443	P	19950706 WO AK	DESIGNATED STATES CITED IN A PUBLISHED APPLICATION WITH SEARCH REPORT (DESIGNATED STATES CITED IN A PUBLISHED APPL. WITH SEARCH REPORT)
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WO 9518443	P	19950828 WO ENP	ENTRY INTO THE NATIONAL PHASE IN:
		US 507495 A	19950828
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WO 9528704	P	19940418 WO AA	PRIORITY (PATENT)
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DATA)  
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CN KR

WO 9528704 P 19951026 WO AL DESIGNATED COUNTRIES FOR  
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COUNTRIES FOR REGIONAL PATENTS CITED IN A  
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SE

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WO 9616401 P 19941117 WO AA PRIORITY (PATENT)  
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WO 9616401 P 19960530 WO AK DESIGNATED STATES CITED IN A  
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CN JP KR MX

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AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT  
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WO 9714144 P 19951009 WO AA PRIORITY (PATENT)  
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WO 9714144 P 19961008 WO AE APPLICATION DATA (APPL.  
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WO 96JP2924 A 19961008

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CN JP KR US

WO 9714144 P 19970417 WO AL DESIGNATED COUNTRIES FOR  
REGIONAL PATENTS CITED IN A PUBLISHED  
APPLICATION WITH SEARCH REPORT (DESIGNATED  
COUNTRIES FOR REGIONAL PATENTS CITED IN A

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AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL  
PT SE

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WO 9714144 P 19970609 WO ENP ENTRY INTO THE NATIONAL  
PHASE IN:  
US 849468 A 19970609

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JP 95261247 A 19951009

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WO 9714146 P 19970417 WO AK DESIGNATED STATES CITED IN A  
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